

Experts for high-performance chemical and mineral specialties. Since 1894.

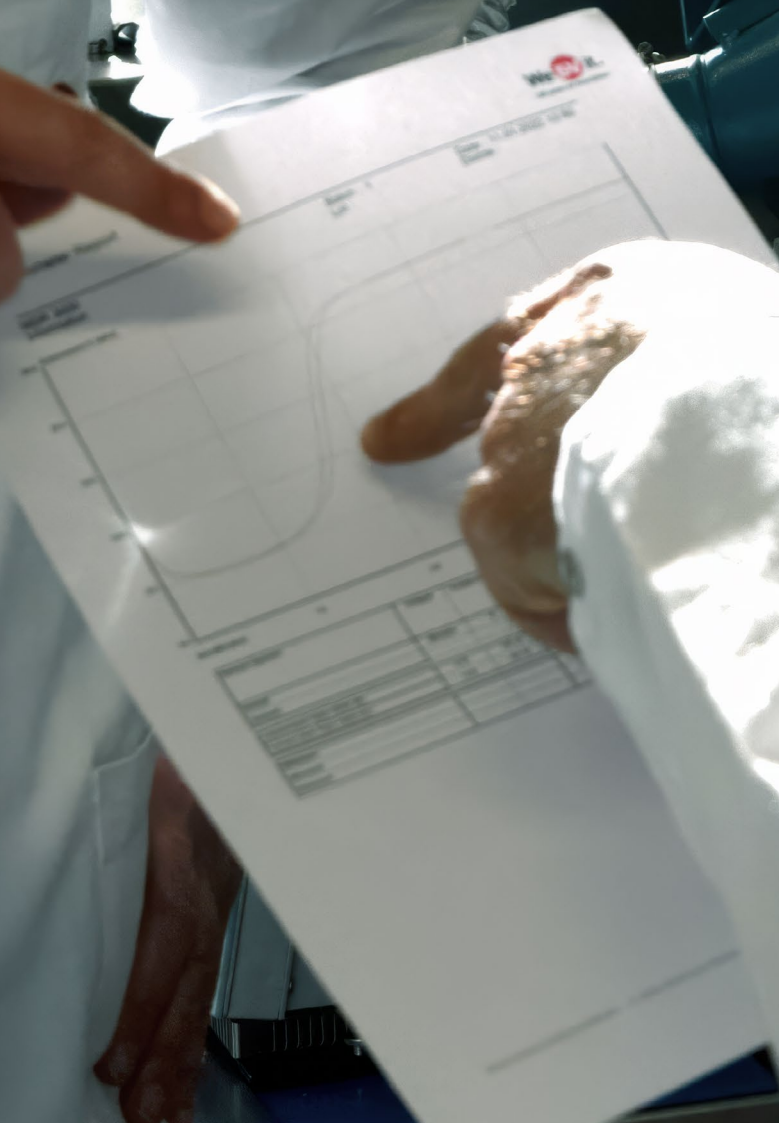


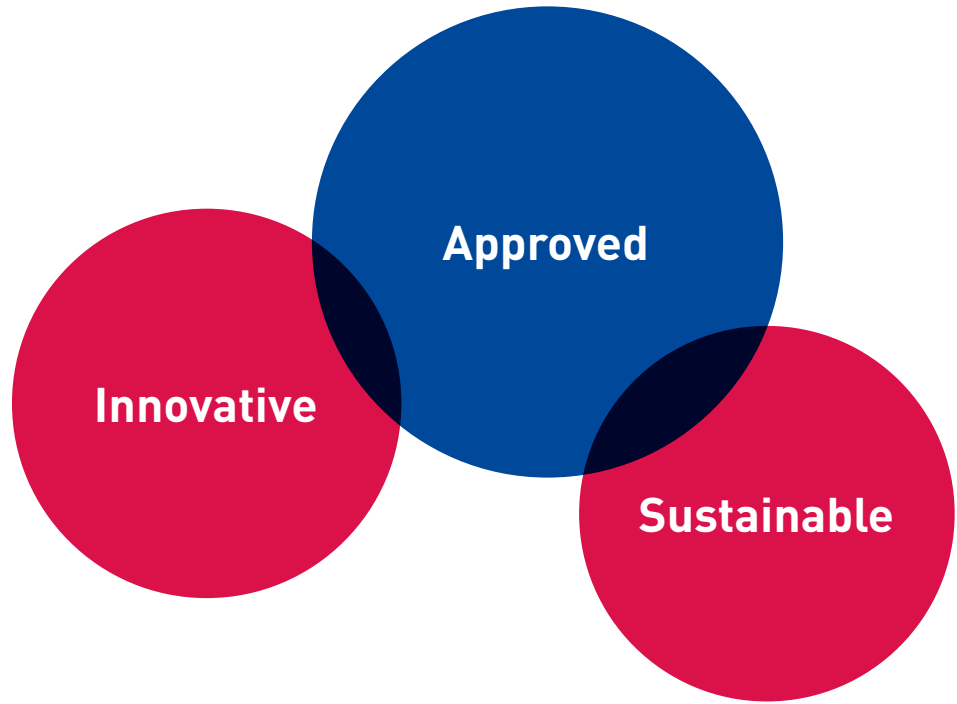
Raw Material Solutions for Rubber Product Portfolio

The rubber industry is undergoing change.
We have the appropriate raw material program for it.



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MatText: LUVOBATCH EV BA 5391-01
Charge: 0000229940 PA-Nr.: 1079558
Probe: 200083699
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Sourcing | Customizing | Manufacturing

LUVOMAXX[®]
SOLUTIONS FOR RUBBER

We provide you with the raw material solutions that fit your exact needs.

The LUVOMAXX[®] Group provides you with a high-end portfolio of chemical and mineral specialties at a consistently excellent quality level, based on raw materials that are tailor-made using our own formulas in our production facilities or from qualified partners. In addition to dry liquids and blowing agent pastes, our range also includes a variety of elastomer-bound preparations.

Constantly analysed - both in terms of material properties and qualities as well as application suitability. The aim, at all times, is to offer you the specific innovative, sustainable raw material solution you need to solve all technical and economic challenges in a highly efficient manner.

**Worldwide Trading
Network**

**Excellent Analytical
Quality**



Worldwide procurement.

We procure only high-quality raw materials from predominantly exclusive partners from our powerful and efficient global trading network.

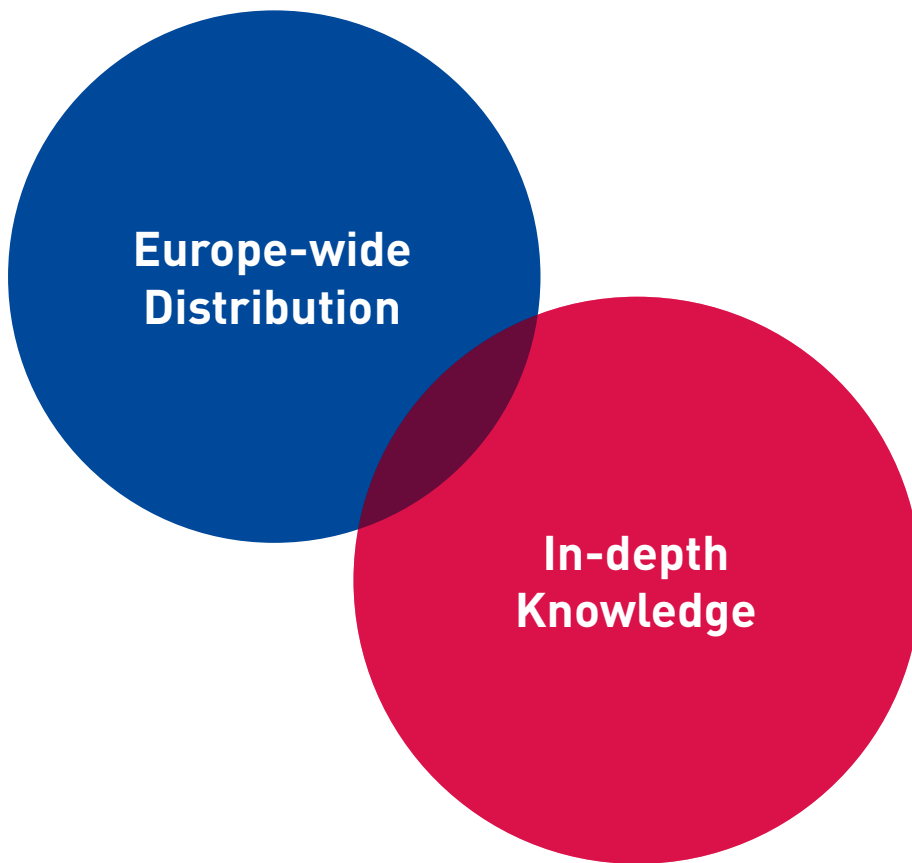
Excellent analysis.

We test the material properties and application suitability of all raw materials we distribute in our laboratory in Hamburg. The continuous analytical evaluation of “freshly received” merchandise is just as much of an established process as the quality testing of our own preparations or the individual testing of raw materials or material samples in consultation with our clients.

In order to ensure a highly detailed and excellent analysis quality, we use a broad spectrum of examinations.

This ranges from:

- the classical wet chemical analysis – within the scope of extraction, incineration or titration – through
- instrumental methods – rheology, infrared spectroscopy (DATR), thermal analysis (DSC, TGA, TMA), granulometry, colorimetric determination and optical microscopy – and
- special tests – carbon black analytics, blowing agent analysis (gas yield), fire behavior, electrical conductivity and density determination up to
- application-specific impressions, which we generate with dissolver, extruder, laboratory kneader, Mooney viscometer or ODR rheometer.



Europe-wide Distribution.

Together with our subsidiaries LEHVOSS France, LEHVOSS Italia and LEHVOSS UK, we provide a strong, close-knit sales network that offers you all the advantages of an internationally active, synchronised sales organisation directly on site.

In-depth Knowledge

Since the early days in 1894 as a “Hamburg trading house for chemical and mineral specialties”, extensive expertise has been the hallmark of today’s LEHVOSS group of companies and in particular of the LUVOMAXX®-Division. by extension.

This expertise is expressed through our products and services offered throughout Europe and distributed in the most critical markets by way of our own subsidiaries. These subsidiaries, in turn, are all characterised by their teams of predominantly local experts who a) are also very familiar with the business culture of their home countries and b) are consistently trained and steadily expanding.

An expertise that, today, is sustained by well over 600 employees worldwide. This also includes the ladies and gentlemen - your direct contacts on all questions relating to rubber processing.

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1. Accelerators for Sulphur-Vulcanisation

Product name	Product Appearance					Active Ingredient
	Dry Liquid (DL) preparation or liquid form	Polymer-bound granules	Oil free powder	Oil coated powder	Pellets	
LUVOMAXX® AS 100	•					Diisopropyl xanthogene polysulphide
LUVOMAXX® CBS		•		•	•	N-cyclohexyl-2-benzothiazole- sulfenamide
LUVOMAXX® CLD		•				Caprolactam disulphide
LUVOMAXX® DBU	•					Cyclic diamine
LUVOMAXX® DCBS				•	•	N,N-dicyclohexyl-2-benzothiazole-sulfenamide
LUVOMAXX® DOTG				•	•	Di-o-tolylguanidine
LUVOMAXX® DPG		•		•	•	Diphenylguanidine
LUVOMAXX® DPTT		•		•	•	Dipentamethylenethiuram hexasulphide
LUVOMAXX® ETU		•		•	•	N-N'- ethylene thiourea (imidazolidine-2-thione)
LUVOMAXX® HMT		•	•			Hexamethylene tetramine
LUVOMAXX® MBT		•		•	•	2-Mercaptobenzothiazole
LUVOMAXX® MBTS		•		•	•	Di(benzothiazol-2-yl)disulphide
LUVOMAXX® TBBS		•		•	•	N-tert butyl-2-benzothiazole-sulfenamide
LUVOMAXX® TBSI				•		N-tert-butyl-di (2-benzothiazole)-sulfenimide
LUVOMAXX® TDEC				•	•	Tellurium diethyldithiocarbamate
LUVOMAXX® TBzTD		•		•	•	Tetrabenzylthiuram disulphide
LUVOMAXX® TETD			•	•	•	Tetraethylthiuram disulphide
LUVOMAXX® TIBTD				•	•	Tetraisobutylthiuram disulphide
LUVOMAXX® TMTM		•		•	•	Tetramethylthiuram monosulphide
LUVOMAXX® ZBEC		•		•	•	Zinc dibenzylthiocarbamate
LUVOMAXX® ZDBC			•	•	•	Zinc dibutylthiocarbamate
LUVOMAXX® ZDEC			•	•	•	Zinc diethyldithiocarbamate
LUVOMAXX® ZDTP	•	• Upon request				Zinc dialkyldithiophosphate
LUVOMAXX® ZMBT			•	•	•	Zinc salt of 2-mercaptobenzothiazole

Colour (pure substance)	Melting point pure substance [°C]	Active Ingredient in DL preparation [%]	Carrier system in DL preparation	Active content in polymer bound grade [% m/m]	Binder system in polymer bound grade	Sales territory				
						EU	DACH	I	GB	F
pale yellow		70	Silica			•	•	•	•	•
off-white to greyish	98			80	EPDM / EVA	•	•	•	•	•
blueish				80	EPDM / EVA	•	•	•	•	•
white		70	Silica			•	•	•	•	•
light beige	96					•	•	•	•	•
off-white to greyish	165					•	•	•	•	•
off-white to greyish	144			70	EPDM / EVA	•	•	•	•	•
white	103			70	EPDM / EVA	•	•	•	•	•
white	195			75/80	EPDM / EVA	•	•	•	•	•
white	>200°C (sublimates)			80	EPDM / EVA	•	•	•	•	•
light yellow	171			80	EPDM / EVA	•	•	•	•	•
pale yellow	165			75/80	EPDM / EVA	•	•	•	•	•
off-white to grey	104			80	EPDM / EVA	•	•	•	•	•
off-white to cream	137					•	•	•	•	•
yellowish	110					•	•	•	•	•
white	130			70	EPDM / EVA	•	•	•	•	•
light yellow	66					•	•	•	•	•
white	65					•	•	•	•	•
yellow	104			80	EPDM / EVA	•	•	•	•	•
white	180			80	EPDM / EVA	•	•	•	•	•
white	104			80	EPDM / EVA	•	•	•	•	•
white	174			80	EPDM / EVA	•	•	•	•	•
yellowish	-10	73	Silica	50	EPDM / EVA	•	•	•	•	•
light yellow	200			80	EPDM / EVA	•	•	•	•	•

2. Antioxidant / Antidegradants

Product name	Product Appearance					Active Ingredient	Colour (pure substance)
	Granules or flakes	Powder	Oil coated powder	Dry Liquid (DL) preparation or liquid form	Polymer bound granules		
LUVOMAXX® 6PPD	•					N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine	dark brown
LUVOMAXX® BHT		•				2,6 - Di-tert.-butyl-4-methylphenol	white
LUVOMAXX® BHP		•				2,2-Methylene-bis-(4-methyl-6-tert.-butyl phenol)	light yellow
LUVOMAXX® CDPA		•				4,4'-Bis-(1,1-dimethylbenzyl)-diphenylamine	white
LUVOMAXX® DTPD	•					Mixed substituted diaryl-p-phenylenediamines	brownish
LUVOMAXX® IPPD	•				•	N-isopropyl-N'-phenyl-p-phenylenediamine	dark brown
LUVOMAXX® MBI			•		•	2-Mercaptobenzimidazole	off white
LUVOMAXX® MMBI			•		•	4- / 5- Methyl mercaptobenzimidazole	off white to cream
LUVOMAXX® ZMMBI			•		•	Zinc salt of methyl mercaptobenzimidazole	off white to cream
LUVOMAXX® ODPA	•	•				4,4'-Dioctyl diphenylamine	brownish (slidely pink)
LUVOMAXX® SDPA				•		Styrenated diphenylamine	beige
LUVOMAXX® TMQ	•					Polymeric 2,2,4-trimethyl-1,2-dihydro-quinoline	amber to brownish
LUVOMAXX® TNPP				•		Tris-(nonylphenyl) phosphite *1)	white

*1) hydrolysis-protected; content of free 4-nonylphenol < 0.1% - this TNPP grade is no SVHC candidate (status 23.01.2024)

Melting point pure substance [°C]	Active ingredient in DL preparation [%]	Carrier system in DL preparation	Active content in polymer bound grade [% m/m]	Binder system in polymer bound grade	Sales territory				
					EU	DACH	I	GB	F
50					•	•	•	•	•
68					•	•	•	•	•
124					•	•	•	•	•
99					•	•	•	•	•
93					•	•	•	•	•
75			80	EPDM / EVA	•	•	•	•	•
295			80	EPDM / EVA	•	•	•	•	•
275			80	EPDM / EVA	•	•	•	•	•
300			50	EPDM / EVA	•	•	•	•	•
85					•	•	•	•	•
-5	72	Ca-silicate			•	•	•	•	•
80					•	•	•	•	•
n.a.	70	Silica			•	•	•	•	•

3. Vulcanisation Retarders

Product name	Product Appearance			Active Ingredient	Colour (pure substance)
	Granules or flakes	Powder	Polymer bound granules		
LUVOMAXX® BSA		•	•	N-phenyl-N-(trichloromethyl-sulfonyl)-benzene sulfonamide	off white
LUVOMAXX® CTPI	•	•	•	N-(cyclohexylthio) phthalimide	white
LUVOMAXX® PSA - F	•			Phthalic acid anhydride	white
LUVOMAXX® SA		•		Salicylic acid anhydride	white

4. Vulcanisation Activators

Product name	Product Appearance			Active Ingredient	Colour (pure substance)
	Granules or flakes	Powder	Polymer bound granules		
Oxi-Rubber		•		mixture alkaline earth carbonates, silica and sulphurous components	dark-grey, fine
PEG 4000 OUCC	•			Polyethylene glycol (CAS: 25322-68-3)	white
PEG 6000 OUCC	•			Polyethylene glycol (CAS: 25322-68-3)	white

Melting point pure substance [°C]	Active content in polymer bound grade [% m/m]	Binder system in polymer bound grade	Sales territory				
			EU	DACH	I	GB	F
110	80	EPDM / EVA	•	•	•	•	•
90	80	EPDM / EVA	•	•	•	•	•
130			•	•	•	•	•
158			•	•	•	•	•

pH-value (5% aq.)	Moisture wt%	Particle size D ₅₀	Sales territory				
			EU	DACH	I	GB	F
10	2.0	6-8 µm	•	•	•	•	•
4-7	0.3		•	•	•	•	•
4-7	0.3		•	•	•	•	•

5. Blowing Agents

Product name	Product Appearance	Active Ingredient	Colour (pure substance)
	Powder		
Luvopor ABF/10 P	●	Azodicarbonamide	yellow-orange
LUVOPOR® ABF/70 P-FF		Azodicarbonamide	yellow-orange
LUVOPOR® OB Pulver		4,4'-Oxybis (benzene sulfonylhydrazide)	white
LUVOMAXX® OBSH 3		4,4'-Oxybis (benzene sulfonylhydrazide)	white
LUVOPOR® TSH		Toluene sulfonylhydrazide	white

Blowing agent - Specialty preparations

Product name	Product Appearance			Preparation blend based on	Colour of preparation	Gas Yield of preparation [ml/g]
	Powder mix	Oil coated paste to crumbly powder	Polymer bound granules			
LUVOPOR® AT 6100	●			Azodicarbonamide, activated by toluene sulfonylhydrazide	yellow	280
LUVOPOR® 9506	●			Azodicarbonamide; ZnO-activated	yellow	165
LUVOMAXX® AZ / K OC 80		●		Azodicarbonamide, activated by ZBS	yellow	160
LUVOPOR® 9326		●		Azodicarbonamide	yellow	280
LUVOPOR® 9382		●		Azodicarbonamide	yellow	240
LUVOPOR® AT 6180		●		Azodicarbonamide, activated by toluene sulfonylhydrazide	yellow	170
LUVOPOR® 9353		●		Modified azodicarbonamide, more coarse Azo	yellow	210
LUVOMAXX® AZ GR			● upon request	Azodicarbonamide	yellow	220
LUVOPOR® 9259 (mod)		●		Azodicarbonamide blended with 4,4'-Oxybis (benzene sulfonylhydrazide), activated	light yellow	165
LUVOPOR® OB Paste 80 %		●		4,4'-Oxybis (benzene sulfonylhydrazide)	white	125
LUVOMAXX® OBSH OC 80		●		4,4'-Oxybis (benzene sulfonylhydrazide)	white	125
LUVOMAXX® OB GR			●	4,4'-Oxybis (benzene sulfonylhydrazide)	white	100
LUVOPOR® TSH-Paste		●		Toluene sulfonylhydrazide	white	110

Gas Yield of pure substance [ml/g]	Decomposition Temp. of pure substance [°C]	Average Particle Diameter [µm]	Sales territory				
			EU	DACH	I	GB	F
220	200	12	•	•	•	•	•
220	200	4.0	•	•	•	•	•
150	160	4.1	•	•	•	•	•
150	160	4.5	•	•	•	•	•
115	135	14	•	•	•	•	•

Decomposition Temp. of preparation [°C]	Active content in paste preparation [%]	Active content in polymer bound grade [% m/m]	Binder system in polymer bound grade	Sales territory				
				EU	DACH	I	GB	F
150				•	•	•	•	•
190				•	•	•	•	•
155	80			•	•	•	•	•
200	95			•	•	•	•	•
195	80			•	•	•	•	•
150	80			•	•	•	•	•
200	75			•	•	•	•	•
200		75	EPDM/EVA	•	•	•	•	•
135				•	•	•	•	•
150	80			•	•	•	•	•
150	80			•	•	•	•	•
160		75	EPDM/EVA	•	•	•	•	•
140	75			•	•	•	•	•

6. Adhesion Promoters (Organosilanes)

Product name	Product Appearance		Active Ingredient
	Liquid	Dry Liquid (DL) preparation powder form	
LUVOMAXX® TESPT	•		Bis-[3-(triethoxysilyl)-propyl]-polysulfane
LUVOMAXX® TESP	•		Bis-[3-(triethoxysilyl)-propyl]-disulfane
LUVOMAXX® Aminosil	•		3-Aminopropyl triethoxy-silane
LUVOMAXX® Aminosil M	•		3-Aminopropyl-trimethoxy-silane
LUVOMAXX® Aminosil MMO	•		3-Aminopropyl methyl- dimethoxysilane
LUVOMAXX® Aminosil EDA	•		N-[2-Aminoethyl]-3-amino-propyl trimethoxysilane
LUVOMAXX® Aminosil EDA-MMO	•		N-[3-(Dimethoxymethylsilyl)propyl]ethylenediamine
LUVOMAXX® Mercaptosil	•		3- Mercaptopropyl-trimethoxysilane
LUVOMAXX® Methasil	•		3- Methacryloxypropyl-trimethoxysilane
LUVOMAXX® Epoxysil	•		3-Glycidyloxypropyl-trimethoxysilane
LUVOMAXX® Octasil	•		N-octyl triethoxysilane
LUVOMAXX® Alkylsilan A12	•		Dodecyltrimethoxysilane
LUVOMAXX® OVMS	•		Vinyl-functional oligosiloxane
LUVOMAXX® Vinylosil T 102 (VTEO)	•		Vinyl triethoxysilane
LUVOMAXX® Vinylosil T 103 (VTMO)	•		Vinyl trimethoxysilane
LUVOMAXX® AMEO DL 70		•	3-Aminopropyl triethoxy-silane
LUVOMAXX® GLYMO DL 70		•	3-Glycidyloxypropyl-trimethoxysilane
LUVOMAXX® MTMO DL 70		•	3- Mercaptopropyl-trimethoxysilane
LUVOMAXX® OVMS DL 70C		•	Vinyl-functional oligosiloxane
LUVOMAXX® TESPT DL 50/L		•	Bis-[3-(triethoxysilyl)-propyl]-tetrasulfane
LUVOMAXX® TESPT DL 70 C		•	Bis-[3-(triethoxysilyl)-propyl]-tetrasulfane
LUVOMAXX® VTMO DL 70		•	Vinyl trimethoxysilane
LUVOMAXX® VTM0EO DL 70 C		•	Tris(2-methoxyethoxy)vinylsilane
LUVOMAXX® OVPES DL 70		•	Oligosiloxane, containing vinyl-, ethoxy- and propyl groups

CAS Number (Active Ingredient)	Active Ingredient in DL preparation [%]	Carrier system in DL preparation	Sales territory				
			EU	DACH	I	GB	F
211519-85-6			•	•	•	•	•
56706-10-6			•	•	•	•	•
919-30-2			•	•	•	•	•
13822-56-5			•	•	•	•	•
3663-44-3			•	•	•	•	•
1760-24-3			•	•	•	•	•
3069-29-2			•	•	•	•	•
4420-74-0			•	•	•	•	•
2530-85-0			•	•	•	•	•
2530-83-8			•	•	•	•	•
2943-75-1			•	•	•	•	•
3069-21-4			•	•	•	•	•
n.a.			•	•	•	•	•
78-08-0			•	•	•	•	•
2768-02-7			•	•	•	•	•
919-30-2	70	Silica	•	•	•	•	•
2530-83-8	70	Silica	•	•	•	•	•
4420-74-0	70	Silica	•	•	•	•	•
n.a.	70	Ca-silicate	•	•	•	•	•
211519-85-6	50	Silica	•	•	•	•	•
211519-85-6	70	Ca-silicate	•	•	•	•	•
2768-02-7	70	Silica	•	•	•	•	•
1067-53-4	70	Ca-silicate	•	•	•	•	•
n.a.	70	Silica	•	•	•	•	•

7. Co-Agents for Sulphur-free Vulcanisation

Product name	Product Appearance					Active Ingredient
	Liquid	Solid	Oily paste form	Polymer bound form	Dry Liquid (DL) preparation powder form DL Powder	
LUVOMAXX® 1,4 BDMA	•				•	1,4-Butanediol dimethacrylate
LUVOMAXX® EDMA	•				•	1,2-Ethanediol dimethacrylate
LUVOMAXX® HMDC		•	•	• upon request		Hexamethylenediamine carbamate
LUVOMAXX® TEDMA	•					Triethyleneglycol dimethacrylate
LUVOMAXX® TMPT	•				•	Trimethylolpropane trimethacrylate
LUVOMAXX® TMPT SR DRY DL					•	Trimethylolpropane trimethacrylate plus scorch retarder
LUVOMAXX® TAC	•			• on EVA	•	Triallylcyanurate
LUVOMAXX® TAIC	•				•	Triallyl isocyanurate
LUVOMAXX® K-CDO 65			•			1,4-Quinone dioxime
LUVOMAXX® K-CDO 65 W			•			1,4-Quinone dioxime

Colour pure material/ preparation	Active ingredient in DL preparation [%]	Carrier system in DL preparation	Active Ingredient in paste preparation [%]	Active Ingredient in polymer bound preparation [%]	Coating/ Binder/ System	Sales territory				
						EU	DACH	I	GB	F
Clear liquid / light grey powder	75	Ca-silicate				•	•	•	•	•
Clear liquid / light grey powder	75	Ca-silicate				•	•	•	•	•
White powder / off-white granules			90	70	Plasticizer / AEM	•	•	•	•	•
Clear liquid						•	•	•	•	•
Clear liquid / light-grey powder / white powder	75/70	Ca-silicate/ silica				•	•	•	•	•
Off-white powder	70	Silica				•	•	•	•	•
Opaque liquid / semi-crystalline solid / white powder / off-white granules	70/50	Silica		50	EVA	•	•	•	•	•
Opaque liquid / semi- crystalline solid / white powder	70	Silica				•	•	•	•	•
Dark-brown paste			65		Paraffinic oil	•	•	•	•	•
Dark-brown paste			65		White mineral oil	•	•	•	•	•

8. Resins and Resin Curatives

Product name	Product Appearance			Active Ingredient	Colour
	Granules	Dry Liquid (DL) preparation or powder form	Liquid		
LUVOMAXX® HM3 DL 72 C		•		Oligomeric hexamethoxymethylol-melamine	light-grey
LUVOMAXX® HMT GR 80	•			Hexamethylene tetramine	off-white
LUVOMAXX® UF 410			•	Carbamic ester resin	colorless to slight yellow
LUVOMAXX® UF 410 DL 70		•		Carbamic ester resin	white to slight yellow

9. Odorants / Odor Adsorbants

Product name	Product Appearance		Active Ingredient
		Powder	
LUVOMAXX® ODOR C DL 70		•	Cherry-odorant
LUVOMAXX® ODOR V DL 70		•	Vanilla-odorant
LUVOMAXX® ODOR R/3		•	Reactive odorant; mercaptane scavenger

Application / Functionality	Softening / Melting point [°C]	Active content in preparation [%]	Carrier/ Binder system	Sales territory				
				EU	DACH	I	GB	F
Resin crosslinking		72	Ca-silicate	•	•	•	•	•
Resin crosslinking		80	EPDM/EVA	•	•	•	•	•
Plastification, rubber to fabric adhesion, reinforcement				•	•	•	•	•
Plastification, rubber to fabric adhesion, reinforcement		70	Silica	•	•	•	•	•

Colour	Active content in DL preparation [%]	Sales territory				
		EU	DACH	I	GB	F
white	70	•	•	•	•	•
white	70	•	•	•	•	•
white	70	•	•	•	•	•

10. Special Preparations

Product name	Product Appearance		Colour	Active content in preparation [%]	Carrier system in DL preparation
	Granules	Dry Liquid (DL) preparation powder form			
LUVOMAXX® TEA DL 50		•	white	50	Silica
LUVOMAXX® TIPA DL 70		•	white	70	Silica
LUVOMAXX® AD 15 DL 70		•	off-white	70	Silica
LUVOMAXX® 1501 DL 70 C		•	beige	70	Ca-silicate
LUVOMAXX® PA 2003 DL 70		•	off-white	70	Silica
LUVOMAXX® S 38-917		• (Oil coated)	off-white	90	
LUVOMAXX® COMBAG L3	•		off-white	100	

	Active Ingredient	Application / Functionality	Sales territory				
			EU	DACH	I	GB	F
	Triethanolamine with dispersing agent	Curing co-activator for mineral-filled compounds	•	•	•	•	•
	Triisopropanolamine with dispersing agent	Curing co-activator for mineral-filled compounds	•	•	•	•	•
	Hydrocarbon resin	Tackifier	•	•	•	•	•
	2,2'-Methylene bis(6-nonyl-p-cresol)	Antioxidant dry liquid preparation	•	•	•	•	•
	Polyetheramine	Modifier for PA; curing activator in sulphur curing systems	•	•	•	•	•
	Glass micro hollowspheres	Density-reducing special filler, de-dusted	•	•	•	•	•
	Na laurylsulfate	Processing aid, internal lubricant	•	•	•	•	•

11. Carbon Blacks

Product type	Product name	Product Appearance		Colour
		Pellets	Powder	
Furnace carbon black	LUVOMAXX® BC N-115	•		black
Furnace carbon black	LUVOMAXX® BC N-121	•		black
Furnace carbon black	LUVOMAXX® BC N-134	•		black
Furnace carbon black	LUVOMAXX® BC N-220	•		black
Furnace carbon black	LUVOMAXX® BC N-234	•		black
Furnace carbon black	LUVOMAXX® BC N-326	•		black
Furnace carbon black	LUVOMAXX® BC N-330	•		black
Furnace carbon black	LUVOMAXX® BC N-339	•		black
Furnace carbon black	LUVOMAXX® BC N-347	•		black
Furnace carbon black	LUVOMAXX® BC N-375	•		black
Furnace carbon black	LUVOMAXX® BC N-539	•		black
Furnace carbon black	LUVOMAXX® BC N-550	•		black
Furnace carbon black	LUVOMAXX® BC N-650	•		black
Furnace carbon black	LUVOMAXX® BC N-660	•		black
Furnace carbon black	LUVOMAXX® BC N-772	•		black
Furnace carbon black	LUVOMAXX® BC HM-C521	•		black
Conductive carbon black	LUVOMAXX BC QSE 300	•		grey-black
Thermal carbon black	LUVOMAXX® MT N-990	•		grey-black
Thermal carbon black	LUVOMAXX® MT N-991		•	grey-black
Lamp carbon black	LUVOMAXX® LB/S		•	black
Lamp carbon black	LUVOMAXX® LB/P	•		black

Other LUVOMAXX® BC special pigment carbon blacks are available upon request - please contact us in case of further needs

Oil Adsorption [ml/100g]	Iodine No. [mg/g]	Sieve Residue @ 325 mesh [ppm max.]	Sales territory				
			EU	DACH	I	GB	F
113	160	500	•	•	•	•	•
131	121	250	•	•	•	•	•
127	142	250	•	•	•	•	•
114	121	250	•	•	•	•	•
125	120	200	•	•	•	•	•
72	82	350	•	•	•	•	•
102	82	200	•	•	•	•	•
120	90	500	•	•	•	•	•
124	90	200	•	•	•	•	•
114	90	250	•	•	•	•	•
111	43	100	•	•	•	•	•
121	43	150	•	•	•	•	•
122	36	250	•	•	•	•	•
90	36	250	•	•	•	•	•
65	30	500	•	•	•	•	•
121	43	20	•	•	•	•	•
350	780	18	•	•	•	•	•
40	8	30	•	•	•	•	•
40	8	30	•	•	•	•	•
97	30	-	•	•	•	•	•
85	18	-	•	•	•	•	•

11. Carbon Blacks

Producer: HIMADRI SPECIALITY CHEMICAL LTD.

Product type	Product name	Product Appearance	Colour
		Pellets	
Specialty carbon black	KLAREX RG 223	•	black
Specialty carbon black	KLAREX RG 225	•	black
Specialty carbon black	KLAREX RG 227	•	black
Specialty carbon black	KLAREX RG 113	•	black
Specialty carbon black	KLAREX RG 315	•	black
Specialty carbon black	KLAREX RG 535	•	black
Specialty carbon black	KLAREX RG 545	•	black

Other Himadri ASTM carbon blacks are available upon request - please contact us in case of further needs

Oil Adsorption [ml/100g]	Iodine No. [mg/g]	Sieve Residue @ 325 mesh [ppm max.]	Sales territory				
			EU	DACH	I	GB	F
123	42	≥ 15			•	•	
123	43	≥ 5			•	•	
120	29	≥ 15			•	•	
111	43	≥ 15			•	•	
122	36	≥ 15			•	•	
94	22	≥ 25			•	•	
127	20	≥ 25			•	•	

12. Functional Fillers & Minerals

Product type	Product name	Product Appearance		Active Ingredient	Colour
		Granules	Powder		
Mica	LUVOMAXX MICA SGG 325		•	Wet-ground mica, muscovite	off-white

Product type	Product name	Product Appearance		Active Ingredient	Colour
		Granules	Powder		
Silica (precipitated grade)	LUVOMAXX® Silica HM 1160		•	Siliciumdioxide	white
Silica (precipitated grade)	LUVOMAXX® Silica HM 2160	•		Siliciumdioxide	white
Silica (precipitated grade)	LUVOMAXX® Silica HM 1170		•	Siliciumdioxide	white
Silica (precipitated grade)	LUVOMAXX® Silica HM 2170	•		Siliciumdioxide	white
Silica (precipitated grade)	LUVOMAXX® Silica HM 1180		•	Siliciumdioxide	white
Silica (precipitated grade)	LUVOMAXX® Silica HM 2180	•		Siliciumdioxide	white
Silica (fumed grade)	LUVOMAXX® Silica HM 150*		•	Siliciumdioxide	white
Silica (fumed grade)	LUVOMAXX® Silica HM 200*		•	Siliciumdioxide	white
Silica (fumed grade)	LUVOMAXX® Silica HM 300		•	Siliciumdioxide	white
Silica (fumed grade)	LUVOMAXX® Silica HM 380		•	Siliciumdioxide	white

* Upon request special hydrophobic "S" grades (surface modified) are available

Producer: BRISIL

Product type	Product name	Product Appearance		Active Ingredient	Colour
		Granules	Powder		
Silica (precipitated grade)	BSIL 1130	•	•	Siliciumdioxide made from rice husk ash	white
Silica (precipitated grade)	BSIL 1180		•	Siliciumdioxide made from rice husk ash	white

Producer: IQE Group Spain

Product type	Product name	Product Appearance		Active Ingredient	Colour
		Granules	Powder		
Silica (precipitated grade)	EBROSIL® PD		•	Siliciumdioxide	white
Silica (precipitated grade)	EBROSIL® GR	•		Siliciumdioxide	white
Silica (precipitated grade)	EBROSIL® H155 AT	• (Microspheres)		Siliciumdioxide	white
Silica (precipitated grade)	EBROSIL® S-125 PD		•	Siliciumdioxide	white
Silica (precipitated grade)	EBROSIL® S-125 GR	•		Siliciumdioxide	white
Silica (precipitated grade)	EBROSIL® SA 60	•	•	Siliciumdioxide	white

Brightness	OAN [ml/100g]	Particle Size D ₅₀ / Top Size [µm]	Density [g/cm ³]	Specific surface area BET [m ² /g]	Sales territory				
					EU	DACH	I	GB	F
n.a.	100-200	n.a.	2.9	n.a.	•	•	•	•	•

Brightness	OAN [ml/100g]	Sieve residue (45 µm) [%]	pH value	Specific surface area BET [m ² /g]	Sales territory				
					EU	DACH	I	GB	F
n.a.	n.a.	≤ 0.5	5 - 8	145-175	•	•	•	•	•
n.a.	n.a.	≤ 0.5	5 - 8	145-175	•	•	•	•	•
n.a.	n.a.	≤ 0.5	5 - 8	160-190	•	•	•	•	•
n.a.	n.a.	≤ 0.5	5 - 8	160-190	•	•	•	•	•
n.a.	n.a.	≤ 0.5	5 - 8	165-195	•	•	•	•	•
n.a.	n.a.	≤ 0.5	5 - 8	165-195	•	•	•	•	•
n.a.	n.a.	≤ 0.025	3 - 5	140 - 200	•	•	•	•	•
n.a.	n.a.	≤ 0.025	3 - 5	190 - 250	•	•	•	•	•
n.a.	n.a.	≤ 0.025	3 - 5	270 - 330	•	•	•	•	•
n.a.	n.a.	≤ 0.025	3 - 5	365 - 395	•	•	•	•	•

Sieve residue (<75 µm) [%]	pH value	Specific surface area BET [m ² /g]	Sales territory				
			EU	DACH	I	GB	F
		120-140	•	•	•	•	•
		170-190	•	•	•	•	•

Sieve residue (<75 µm) [%]	pH value	Specific surface area BET [m ² /g]	Sales territory				
			EU	DACH	I	GB	F
n.a.	6.5	185			•		•
n.a.	6.5	185			•		•
<10	7	155			•		•
n.a.	6.5	125			•		•
n.a.	6.5	125			•		•
n.a.	6.5	60			•		•

12. Functional Fillers & Minerals

Producer: **MAGRIS talc** *1

Product type	Product name	Product Appearance	Active Ingredient	Brightness
		Powder		
Talc - functional mineral	Mistron® Vapor R	•	Hydrated Mg-Silicate	86
Talc - functional mineral	Mistron® Vapor RE	•	Hydrated Mg-Silicate	75
Talc - functional mineral	Mistron® CB (surface treated)	•	Hydrated Mg-Silicate	86
Talc - functional mineral	Mistron® CB6 (surface treated)	•	Hydrated Mg-Silicate	88
Talc - functional mineral	Mistron® HYPERPLATE™	•	Hydrated Mg-Silicate	80
Talc - functional mineral	Mistron HYPERPLATE™ Ultra	•	Hydrated Mg-Silicate	80
Talc - functional mineral	Mistron® Vapor	•	Hydrated Mg-Silicate	83
Talc - functional mineral	Silverline 002 / Vertal 92 or 97	•	Hydrated Mg-Silicate	75
Talc - functional mineral	Mistron® TZ-2 (surface treated)	•	Hydrated Mg-Silicate	87
Talc - functional mineral	Mistron® ZSC (surface treated)	•	Hydrated Mg-Silicate	87
Talc - functional mineral	MistroFoam®	•	Hydrated Mg-Silicate	82

*1) Other grades are available in MAGRIS's talc portfolio upon request

Producer: **UPM BIOCHEMICALS - Renewable Functional Fillers**

Product type	Product name	Product Appearance	Active Ingredient
		Pellets	
Lignin-based renewable functional filler	UPM BioMotion™ X10	•	Lignin-based material
Lignin-based renewable functional filler	UPM BioMotion™ X20	•	Lignin-based material
Lignin-based renewable functional filler	UPM BioMotion™ X40	•	Lignin-based material

OAN [ml/100g Talc]	Particle Size D ₅₀ / Top Size [µm]	Density [g/cm ³]	Specific surface area BET [m ² /g]	Sales territory					
				EU	DACH	I	GB	F	
43	2.2	2.8	13.4	•	•	•	•	•	
n.a	2.2	2.8	13.4	•	•	•	•	•	
n.a	2.2	2.8	13.4	•	•	•	•	•	
n.a	2.2	2.8	n.a	•	•	•	•	•	
n.a	1.2	2.8	22.0	•	•	•	•	•	
	3.5	2.8	n.a	•	•	•	•	•	
	8.4	2.8	13.5	•	•	•	•	•	
29		2.8	10.5	•	•	•	•	•	
41	2	2.8	n.a	•	•	•	•	•	
n.a	2	2.8	n.a	•	•	•	•	•	
n.a	2.2	2.8	n.a	•	•	•	•	•	

Colour	Sulphur content [%]	pH value	Loss on drying [%]	Specific surface area BET [m ² /g]	Sales territory				
					EU	DACH	I	GB	F
brownish	< 0.2	6 - 10	< 3	10		•	•	•	
brownish	< 0.2	6 - 10	< 3	20		•	•	•	
brownish	< 0.42	6 - 10	< 3	40		•	•	•	

13. Polymers

Producer: VERSALIS S.p.A

Product family		Trade name	ENB content [%]	Proylene content [%]
EP(D)M	EP(D)M Terpolymers branched	Dutral® BTR / Dutral® BTX	4 - 9	45
	EP(D)M Terpolymers (dry types)	Dutral® TER	-	25 - 40
	EP(D)M Terpolymers (oil extended)	Dutral® TER	-	25 - 40
	EPM Copolymers	Dutral® CO	-	28 - 45
	EPM Oil Modifiers	Dutral® OCP	-	28 - 48
	EP(D)M Polyolefine Modifiers	Dutral® PM	-	-

Product family		Trade name	Bound styrene [%]	Vinyl content [%]
SBR	ESBR (dry types)	Europrene® 15.....	23,5	-
	ESBR (oil extended)	Europrene® 17.....	23,5 / 40	-
	ESBR (Emulsion Resin-Rubber Masterbatches)	Europrene® HS	63	-
	ESBR Versalis Revive® types	Versalis Revive® ESBR	23,5	-
	SSBR (dry types)	Europrene® SOL R	15 / 21 / 27	12 / 59 / 63

Product family		Trade name	cis content [%]	
BR	BR (high cis types)	Europrene® NEOCIS	95 / 97	-

Product family		Trade name	ACN content [%]	
NBR	NBR (normal types)	Europrene® N	28 - 45	-
	NBR (green types)	Europrene® N (GRN)	19 - 39	-
	NBR / PVC blend range	Europrene® N OZO	19,5 / 23 / 27	-

Product family		Trade name	Bound styrene [%]	Total solids [% wt]
Latices	Acrylonitrile-Butadien Latex (NBR) types	Europrene® Lattice 2620	38	34
	Carboxylated Styrene-Butadiene Latex types	Europrene® Lattice	40 - 75	50 / 51
	Styrene-Butadiene Latex (SBR) types	Europrene® Lattice	24 - 35	41 / 66 / 67

Product family		Trade name	Bound styrene [%]	Structure
TPR	SBS (dry types)	Europrene® SOL T	30 - 40	linear / radial
	SBS (oil extended)	Europrene® SOL T	31 / 50	radial
	SIS types	Europrene® SOL T	16 - 30	linear
	SEBS types	Europrene® SOL TH	7 / 30 / 32	linear / multi-arm

For any further questions about polymer types and recommendations please feel free to contact us at any time!

oil content [%]	Mooney viscosity ML(1+4) @125°C	Sales territory				
		EU	DACH	I	GB	F
17	43 - 75		•			•
-	30 - 87		•			•
23-50	28 - 57		•			•
-	30 - 80		•			•
-	30 - 60		•			•
-	-		•			•

oil content [%] (TDAE / RAE)	Mooney viscosity ML(1+4) @100°C	Sales territory				
		EU	DACH	I	GB	F
-	30 - 52		•			•
37,5	50 - 55		•			•
-	56		•			•
-	60 - 70		•			•
	60 - 68		•			•

	Mooney viscosity ML(1+4) @ 100°C	Sales territory				
		EU	DACH	I	GB	F
-	43 - 63		•			•

	Mooney viscosity ML(1+4) @ 100°C (121°C)	Sales territory				
		EU	DACH	I	GB	F
-	30 - 80		•			•
-	30 - 80		•			•
-	60 / 75		•			•

pH- value	Brookfield viscosity 20 rpm / 25°C mPa*s	Sales territory				
		EU	DACH	I	GB	F
10,5	30		•			•
6,2 - 8	120 - 600		•			•
10,5 / 11	50 - 1100		•			•

other properties	Brookfield viscosity cP	Sales territory				
		EU	DACH	I	GB	F
Diblock % wt: 10 - 75	400 - 22.000		•			•
oil content phr: 40 / 45	-		•			•
Diblock % wt: 8 - 68	300 - 1000		•			•
-	500 - 1600		•			•

13. Polymers

Chlorinated Polyethylene range (CPE)

Product type	Product name	Appearance
		White powder
Chlorinated polyethylene - Elastomer grade	LUVOMAXX® CM 3055	•
Chlorinated polyethylene - Elastomer grade	LUVOMAXX® CM 3645	•
Chlorinated polyethylene - Elastomer grade	LUVOMAXX® CM 3650	•
Chlorinated polyethylene - Elastomer grade	LUVOMAXX® CM 3660	•
Chlorinated polyethylene - Elastomer grade	LUVOMAXX® CM 3665	•
Chlorinated polyethylene - Elastomer grade	LUVOMAXX® CM 3675	•
Chlorinated polyethylene - Elastomer grade	LUVOMAXX® CM 3680	•
Chlorinated polyethylene - Elastomer grade	LUVOMAXX® CM 3685	•
Chlorinated polyethylene - Elastomer grade	LUVOMAXX® CM 3690	•
Product type	Product name	Appearance
		White powder
Chlorinated polyethylene - Impact modifier	LUVOMAXX® CPE 135A	•
Chlorinated polyethylene - Impact modifier	LUVOMAXX® CPE 135C	•

Chlorine content [%]	Mooney viscosity ML(1+4) @ 125°C	Sales territory				
		EU	DACH	I	GB	F
29 - 31	50 - 60	•	•	•	•	•
35 - 37	40 - 50	•	•	•	•	•
35 - 37	45 - 55	•	•	•	•	•
35 - 37	55 - 65	•	•	•	•	•
35 - 37	60 - 70	•	•	•	•	•
35 - 37	70 - 80	•	•	•	•	•
35 - 37	75 - 85	•	•	•	•	•
35 - 37	80 - 90	•	•	•	•	•
35 - 37	85 - 95	•	•	•	•	•
Chlorine content [%]	Hardness Shore A	Sales territory				
		EU	DACH	I	GB	F
35 - 37	< 60	•	•	•	•	•
31 - 33	< 65	•	•	•	•	•

13. Polymers

Producer: Korea Kumho Petrochemical Co. Ltd.

Product family	Product name	Shape
		Bales
NBR polymer grades	KNB	•

Product family	Product name	Shape	Bound Styrene [%]
		Bales	
SBR (dry grades)	SBR 15.. range	•	23,5
SBR (oil extended grades)	SBR 17.. range	•	23,5 / 40 / 45

Product family	Product name	Shape	Bound styrene [%]
		Bales	
SSBR (dry grades)	SOL-52.../ SOL-12...	•	20 - 28
SSBR (oil extended types)	SOL-62.... / SOL-63.../SOL 64...	•	25 -35,5

Product family	Product name	Shape	Ratio CIS- 1.4 [%]t [%]
		Bales	
BR polymer grades	KBR 01 / KBR 710 / KBR 820 NdBR 40 / NdBR 60	•	34,5 - 97

Product type	Product name	Shape	Total Styrene [%]
		Bales	
HSR polymer grade	KHS 68	•	68
HSR polymer grade	RM 21	•	21

Product type	Product name	Shape	Total Styrene [%]
		Bales	
SBS polymer linear	KTR-1.. series / KTR-2.. series / KTR 602	•	31,5 - 32
SBS polymer radial	KTR-3.. series / KTR-4.. series	•	31 - 54

Acrylonitrile content [%]	Mooney viscosity ML(1+4) @ 100°C	Extender oil type	Sales territory				
			EU	DACH	I	GB	F
18 - 41	33 - 80	none			•		

Mooney viscosity ML(1+4) @ 100°C	Extender oil type	Sales territory				
		EU	DACH	I	GB	F
30 - 50	none			•		
30 - 70	37,5 (HI/AR, TDAE or RAE)			•		

Vinyl content [%]	Mooney viscosity ML(1+4) @ 100°C	Extender oil type	Sales territory				
			EU	DACH	I	GB	F
10 - 63		none			•		
40 - 63		37,5 (TDAE)			•		

Mooney viscosity ML(1+4) @ 100°C	Extender oil type	Sales territory				
		EU	DACH	I	GB	F
30 - 67	none			•		

Structure	Mooney viscosity ML(1+4) @ 100°C	Extender oil type	Sales territory				
			EU	DACH	I	GB	F
	61				•		
	41				•		

Structure	Solution viscosity @ 25°C [cps]	Oil content [%]	Sales territory				
			EU	DACH	I	GB	F
linear	1,2 - +00	none			•		
radial	KTR-4..serie: 23,8 - 21,5	KTR-3..serie: 28,6 / 33,3			•		

13. Polymers

Producer: DENKA Polymer Group

Product type	Product name	Shape	Cristallization rate
		Irregular flakes	
CR polymer grade	DENKA M-30	•	medium
CR polymer grade	DENKA M-40	•	medium
CR polymer grade	DENKA M-41	•	medium
CR polymer grade	DENKA M-70	•	medium
CR polymer grade	DENKA M-100	•	medium
CR polymer grade	DENKA M-120	•	medium
CR polymer grade	DENKA M 130 H	•	medium
CR polymer grade	DENKA S 40 V	•	very slow
CR polymer grade	DENKA ES-40	•	very slow
CR polymer grade	DENKA ES-70	•	very slow
CR polymer grade	DENKA EM-40	•	medium
CR polymer grade	DENKA MT-40	•	medium
CR polymer grade	DENKA MT-100	•	medium
CR polymer grade	DENKA PS-40 A	•	slow
CR polymer grade	DENKA DCR-30	•	slow
CR polymer grade	DENKA DCR-40	•	slow
CR polymer grade	DENKA DCR-42A	•	medium

Mooney viscosity ML(1+4) @ 100°C	Sales territory				
	EU	DACH	I	GB	F
38 ± 4			•		
48 ± 5			•		
48 ± 5			•		
70 ± 10			•		
100 ± 10			•		
120 ± 10			•		
1510-2700 (mPa x s)			•		
48 ± 5			•		
43 ± 4			•		
75 ± 5			•		
48 ± 5			•		
48 ± 5			•		
95 ± 10			•		
35 - 55			•		
65 ± 7			•		
40 - 55			•		
40 - 55			•		

13. Polymers

Producer: KUMHO POLYCHEM

Product type	Product name	Shape		ENB [%]
		Bales	Pellets	
EPR-EPM Copolymer Pellet form	KEP 020P/KEP 070P		•	
EPR-EPM Copolymer bale form	KEP 110/KEP 0530 / KEP 2060	•		
EPR-EPDM Terpolymer - low unsaturation	KEP 4.. grades	•		1.6 - 2.3
EPR-EPDM Terpolymer - medium unsaturation	KPE grades various	•		4.5 - 7

Product type	Product name	Shape	ENB [%]
		Bales	
EPR-EPDM Terpolymer - high/ultrahigh unsaturation	KEP grades various	•	7,9 - 8,9
EPR-EPDM Terpolymer - high/ultrahigh unsaturation (oil extended type)	KEP 9570E	•	10
EPR - EPDM oil extended type	KEP 901 N	•	4.8*
EPR - EPDM oil extended type	KEP grades various	•	4,5 / 4,8 / 5,7 (*1)

*1) Base polymer

Producer: NITRIFLEX®

Product family	Product name	Shape
		Bales
NBR Polymer grades (cold polymerization)	N-series (various)	•
NBR Polymer grades (hot polymerization)	N-5 / N-7 / N-8	•

Ethylene content [%]	Mooney viscosity ML(1+4) @ 125°C (+@100°C)	Sales territory				
		EU	DACH	I	GB	F
70,5 / 71	14 / 42			•		
50 - 54	26 - 65			•		
56.5 - 57	33 - 43			•		
55.5 - 74	various 23 - 115			•		

	Ethylene content [%]	Mooney viscosity ML(1+4) @ 125°C	oil [%]	Sales territory				
				EU	DACH	I	GB	F
	52 - 59	28 - 69 (others)	none			•		
	55	70*(1+8) 125°C	20			•		
	69.5*2	52	100			•		
	64 - 70 (*1)	52 - 64	50 / 75 / 100			•		

Acrylonitrile content [%]	Mooney viscosity ML(1+4) @ 100°C	Sales territory				
		EU	DACH	I	GB	F
28 / 33 / 39	48 - 115				•	
30 / 39	80 - 94				•	

14. Curing Agents

Product type	Product name	Product Appearance		Active Ingredient
		Granules	Dry Liquid (DL) preparation powder form	
Epoxy resins - Dry Liquid preparation	LUVOMAXX® LER 828 DL 60		•	Liquid epoxy resin type "Epikote 828"
Sulphur - Polymer bound preparation	LUVOMAXX® S GR 80	•		Ground sulphur
Sulphur - Polymer bound preparation	LUVOMAXX® S-IS GR 75	• upon request		Blend of insoluble and ground sulphur

15. Special Plasticizers

Product type	Product name	Product Appearance		Active Ingredient
		Granules	Powder	
Dry Liquid preparation	LUVOMAXX® FH DL 72		•	Aromatic polyether, xylene-formaldehyde resin / tackfier
Dry Liquid preparation	LUVOMAXX® KSA DL 70 C		•	Polyethyleneglycol
Dry Liquid preparation	LUVOMAXX LNBR N280 DL 70		•	Liquid NBR rubber, 31% ACN content
Dry Liquid preparation	LUVOMAXX® TM DL 70		•	Trialkyl trimellitate (C7-C9)
Dry Liquid preparation	LUVOMAXX® TP 90 B DL 72 C		•	Hexaoxatricosane, oligoether
Dry Liquid preparation	LUVOMAXX® N (mod) DL 70 C		•	Dimethylnaphthalene-tetramer

16. Metal Oxides

Product type	Product name	Product Appearance			Active Ingredient min. [%]
		Granules	Powder	Paste bar	
Magnesium oxide	Magnesium Oxide N50®		•		97.8
Magnesium oxide	LUVOMAG® M072		•		98.5
Magnesium oxide	LUVOMAG® M074		•		98.7
Magnesium oxide	LUVOMAG® 300			•	60
Zinc oxide	LUVOMAXX® ZnO BP		•		99.9
Zinc oxide	LUVOMAXX® ZnO HANSA ULTRA		•		99.8
Zinc oxide	LUVOMAXX® ZnO GR 80	•			80
Zinc oxide	LUVOMAXX® ZnO Extra			•	88

Carrier / Binder System	Colour	Content [%]	Application	Sales territory				
				EU	DACH	I	GB	F
Silica	off-white	60	Curing agent for ACM, CSM	•	•	•	•	•
EPDM /EVA	yellow	80	Curing agent for diene rubbers	•	•	•	•	•
EPDM / EVA	yellow	75	Curing agent for diene rubbers	•	•	•	•	•

Carrier system in DL preparation	Colour	Sales territory				
		EU	DACH	I	GB	F
Silica	light-yellow	•	•	•	•	•
Ca-silicate	light-grey	•	•	•	•	•
Silica	light-grey	•	•	•	•	•
Silica	white	•	•	•	•	•
Ca-silicate	light-grey	•	•	•	•	•
Ca-silicate	brownish	•	•	•	•	•

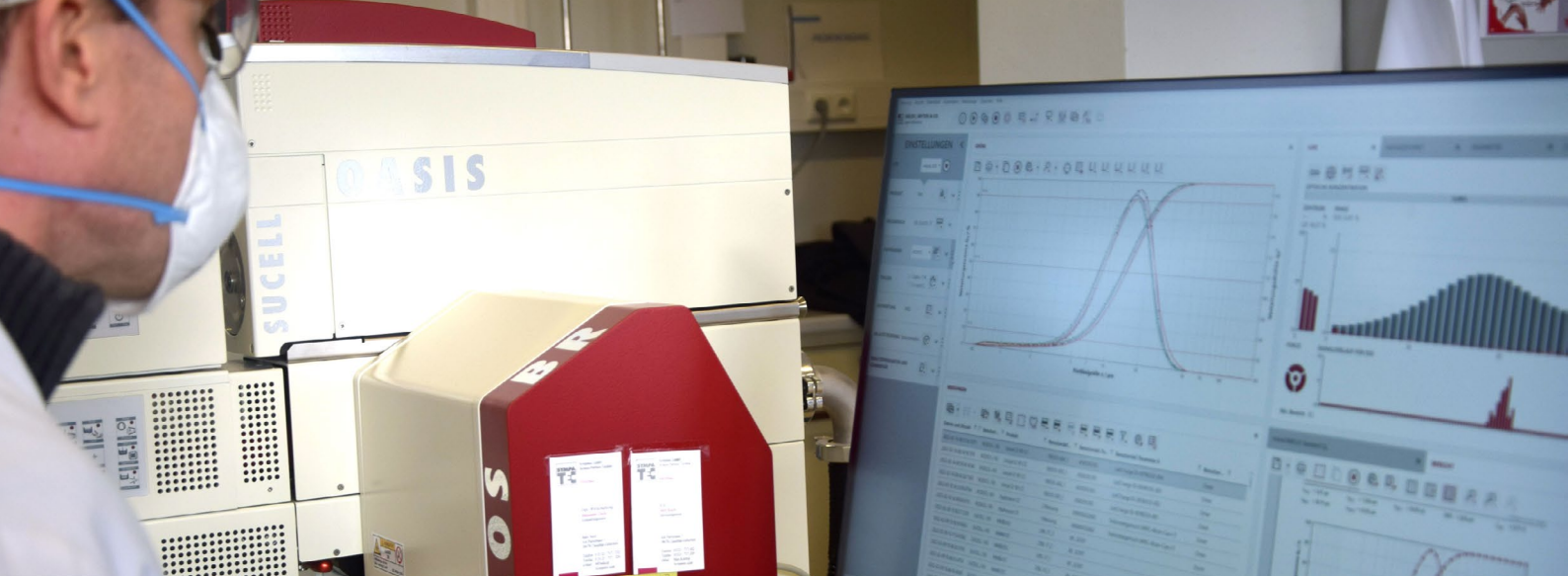
Colour	BET Surface Area [m ² /g]	Binder type	Sales territory				
			EU	DACH	I	GB	F
white	142		•	•	•	•	•
white	100		•	•	•	•	•
white	159		•	•	•	•	•
beige	n.a.	Dispergator plasticizer	•	•	•	•	•
white	6		•	•	•	•	•
white	9		•	•	•	•	•
off-white	6	EPDM/EVA	•	•	•	•	•
light-grey	6	Dispergator plasticizer	•	•	•	•	•

17. Rubber bonding agents

Producer: Parker LORD Corp.

Product type	Product name	Product	Solvent
Primer and/or Elastomer bonding agent	PARLOCK® PM 05	Viscous liquid	
Elastomer bonding agent	PARLOCK® PC 6012	Viscous liquid	
Elastomer bonding agent	PARLOCK® PC 6016	Viscous liquid	
Primer and/or Elastomer bonding agent	Chemosil® 211	Gray liquid	MIBK, Xylene
Elastomer bonding agent	Chemosil® 225	Black liquid	Xylene
Elastomer bonding agent	Chemosil® 350	Brown liquid	Ethanol, Methoxy Butyl Acetate
Elastomer bonding agent	Chemosil® 511	Clear colorless liquid	Ethanol
Elastomer bonding agent	Chemosil 597E	Clear yellow to brown liquid	Organic solvent system
Elastomer bonding agent	Chemosil® NL411	Black liquid	Xylene, Solvent Naphtha, Diacetone Alcohol
Elastomer bonding agent	Chemosil® 6025	Black liquid	Xylene
Elastomer bonding agent	Chemosil® X5960-22	Blue liquid	Methyl Ethyl Ketone (MEK), Xylene
Elastomer bonding agent	Chemosil® X5130-22	Clear liquid	Ethanol

Application field	Sales territory				
	EU	DACH	I	GB	F
Used with Parlock adhesive to bond a wide variety of vulcanized and unvulcanized rubber compounds to metal and other rigid substrates.			•		
Universal rubber-to-metal adhesive. Parlock PC 6012 can be optionally applied with Parlock PM05 primer. Parlock PC 6012 bonds different rubber compounds and elastomers (NR, IR, SBR, BR, NBR and IIR) and some plastics. The combination of Parlock PC 6012 with Parlock PM05 primer offers excellent adhesion values.			•		
Universal rubber-to-metal adhesive. Parlock PC 6016 can be optionally applied with Parlock PM05 primer. Parlock PC 6016 bonds different rubber compounds and elastomers (NR, IR, CR, SBR, BR, NBR, IIR, EPDM, ECO and CSM) and some plastics. The combination of Parlock PC 6016 with Parlock PM05 primer offers excellent adhesion values and is especially suitable for soft NR and NBR in TM- and IM- procedures.			•		
LORD Chemosil® 211 primer is a heat-activated bonding agent designed for use as a substrate primer under other Chemosil covercoat bonding agents, or as a one-coat bonding agent for bonding unvulcanized nitrile elastomer compounds. Can be used as a primer under a wide variety of Chemosil covercoat bonding agents. can be used as a one-coat bonding agent to bond unvulcanized nitrile elastomer compounds to metal and plastics."				•	
LORD Chemosil® 225 elastomer bonding agent is a covercoat material designed for use over Chemosil 211 primer. This bonding system will bond elastomer compounds based on natural rubber (NR), polyisoprene (IR), styrene-butadiene (SBR), polybutadiene (BR), polychloroprene (CR), nitrile (NBR) and butyl (IIR) elastomers to most metals, alloys and rigid plastic substrates.				•	
LORD Chemosil® 350 elastomer bonding agent is a one-coat material used to bond acrylate (ACM), nitrile (NBR) and epichlorohydrin (ECO) elastomer compounds to metal, alloys and other rigid substrates during the vulcanization process.				•	
LORD Chemosil® 511 elastomer bonding agent is a one-coat bonding agent used to bond silicone (MVQ) and fluoroelastomers (FKM) to metal and a variety of other substrates during the vulcanization process. Can also be used as a primer in combination with Chemosil 6025 or Chemosil 231 G bonding agents to bond a wide range of elastomers to fabrics.				•	
LORD Chemosil® 597 E is a non-pigmented single coat bonding agent used for bonding castable polyether polyurethanes to metals and other rigid substrates. Chemosil 597 E will also bond several millable polyurethane elastomers during the vulcanization process. The solvent system for Chemosil 597 E does not contain chlorinated solvents.				•	
Chemosil NL 411-63E bonding agent can be used as a covercoat material over Chemosil 211 primer, or as a one-coat bonding agent for bonding a variety of elastomer compounds to metal and plastic substrates during the vulcanization process. Chemosil NL 411-63E bonding agent will bond elastomer compounds based on natural rubber (NR), polyisoprene (IR), styrene-butadiene (SBR), polybutadiene (BR), nitrile (NBR), polychloroprene (CR), butyl (IIR), and ethylene propylene (EPDM) to most metals, alloys and rigid plastic substrates.				•	
LORD Chemosil® 6025 elastomer bonding agent is a versatile, general purpose adhesive used to bond elastomers to rigid substrates, such as metals and alloys, as well as to other vulcanized elastomer materials. Chemosil 6025 bonding agent will bond elastomer compounds based on natural rubber (NR), polyisoprene (IR), styrene-butadiene (SBR), polychloroprene (CR), nitrile (NBR), butyl (IIR), chlorosulfonated polyethylene (CSM) and EPDM to most metals, alloys and rigid plastic substrates. Chemosil 6025 bonding agent is ideal for lining containers (hot water vulcanization). When bonding rigid substrates, Chemosil 6025 bonding agent should be used over Chemosil 211 primer.				•	
LORD Chemosil® X 5960-22 elastomer bonding agent is a one-coat material used to bond pourable polyurethane elastomers to metals and other rigid substrates during the vulcanization process. It is composed of a mixture of polymers and heat-reactive components in an organic solvent system.				•	
LORD Chemosil® X 5130-22 elastomer bonding agent is a clear one-coat bonding agent used to bond peroxide-cured fluoroelastomers to metal and a variety of other rigid substrates during the vulcanization process. Chemosil X 5130-22 bonding agent is also suitable for bonding silicone and acrylate elastomers. It is composed of a mixture of polymers and heat-reactive components dissolved or dispersed in an organic solvent system.				•	



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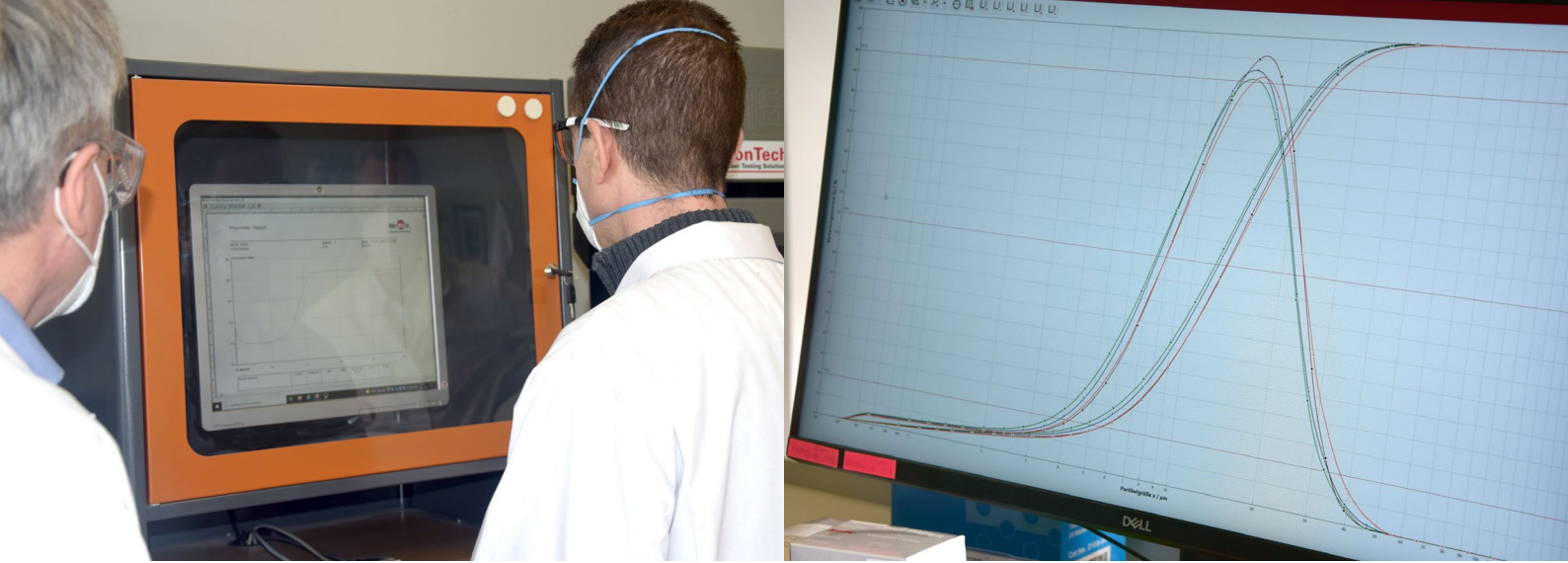
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