

Raw magterials and additives for rubber industry

Code	Group	Product - Chemistry	Product name	Producer-Supplier	Application-Details
1	Rubber	Acrylonitrile rubber - NBR	NBR - rubber	LG Chem	ACN 27,7% - 43%, Mooney 40 nebo 50
2	Rubber	Polybutadiene rubber - BR	BR - rubber	LG Chem	BR 1208 - high cis- 1,4 polybutadiene (min. 97%)
3	Rubber	Styrene-butadiene rubber - SBR	SBR - rubber	LG Chem	SBR 1502 - cold styrene-butadiene, styrene 23.5%
4	Rubber	Etylene-propylene-diene rubber - EPDM	Suprene	SK Energy	S 512 F, S 552, S 5890 F, S 5206 F
5	Rubber	Chloroprene rubber - CR	Showa Denko CR	SHOWA DENKO	Modified by sulphur and w/o sulphur
6	Rubber	Polyisoprene rubber - IR	Kraton IR	KRATON	Transparent
7	Rubber	Fluorocarbon rubber - FKM	DAI-EL	DAIKIN	For bisphenol or peroxide cured polymers
8	Rubber	Polyacrylate rubber - ACM	NOXTITE	NOK	For high temperatures, high pressure, chemical resistant
9	Rubber	Chloro-sulphone-polyethylene rubber - CSM	CSM - Rubber	Lianyungang JTD	For temperatures above 130 °C, wheather and chemical resistant
10	Rubber	Silicone rubber - VMQ	Blend acc. Spec.	NRC	Vinylmethylsilicone rubber, peroxide curing
11	Rubber	Fluoro-silicone rubber - FMQ	Blend acc. Spec.	NRC	
12	Rubber	Fluoro-silicone rubber - FMQ	AFS-R - rubber	Shenzhen Guanheng	Temparature restant between -60°C to +200°C
13	Polyurethanes	Silicones	Niax	Momentive	PU systems - Slabstock, Molding and Rigid Foams
14	Polyurethanes	Stabilizers	Geolite	Momentive	PU systems - Slabstock, Molding and Rigid Foams
15	Polyurethanes	Polyoly	Caradol	SHELL	PU systems
16	Polyurethanes	Derivates of MDI, TDI and aliphatic isocyanates	Neuthane	NOTEDOME	PU systems - casting, 2K systems
17	Polyurethanes	Curing agents	Ethacure	ALBEMARLE	PU systems - casting
18	Polyurethanes	Naphthalene 1,5-diisocyanate	NDI	NRC	PU systems, PUR - Coatings
19	Polyurethanes	4,4'-Methylene-bis-2-chloraniline	Bis-Amine A, Mboca	NRC	PU systems, PUR - Coatings
20	Polyurethanes	Casting polyurethanes	Catapol	NRC	1K systems, heat curing
21	Polyurethanes	Sn catalyst	Formrez	Momentive	PU systems - Foam
22	Polyurethanes	Amine catalyst	Niax	Momentive	PU systems - Slabstock, Molding and Rigid Foams
23	Silicones	Siliconové elastomers	LSR	MOMENTIVE	Silicone systems
24	Silicones	Siliconové elastomers	HCR	MOMENTIVE	Silicone systems
25	Silicones	Siliconové elastomers	FSR	MOMENTIVE	Silicone systems
26	Silicones	Siliconové elastomers	ADDITIVE, PRIMERS	MOMENTIVE	Silicone systems
27	Curing agents	Triallylisocyanurate	NORTAIC KS	NRC	for EPDM, EVA, CM, FKM, PU
28	Curing agents	Triallylisocyanurate	TAIC / Taicros	NRC	for EPDM, EVA, CM, FKM, PU
29	Curing agents	N,N'-m-phenylenebismaleimide	Homide 125 WG	NRC	for AEM, NR, BR
30	Curing agents	Dicumyl peroxide	Norperox DCP-40	NRC	for EPDM
31	Curing agents	Bis(2,4-Dichlorbenzoyl) Peroxide	Norperox DCBP 50S	NRC	for EPDM
32	Curing agents	Di(2-tert.butylperoxy isopropyl) benzene	Norperox BIBP-40	NRC	Granules on polymer
33	Curing agents	Di(2-tert.butylperoxy isopropyl) benzene	Norperox BIBP-40 PG	NRC	Granules
34	Curing agents	2,5-Dimethyl 2,5-Di(Tert.Butyl Peroxy) Hexane	Norperox DBPH-45	NRC	Powder on chalk-silica
35	Curing agents	DOTG 70% on EPDM carrier	DOTG 70	NRC	for EPDM
36	Curing agents	Calcium hydroxide - Ca(OH)2	INNOVOX	Innovo	for FKM
37	Curing promoters	Magnesium hydroxide - MgO	Type E	NRC	for FKM, high active, fine powder
38	Curing promoters	Bis (3-triethoxysilylpropyl) tetrasulfane	NORSIL 50	NRC	Granulated on wax carrier
39	Curing promoters	Bis (3-triethoxysilylpropyl) tetrasulfane	NORSIL 100	NRC	Liquid

Raw magterials and additives for rubber industry

Code	Group	Product - Chemistry	Product name	Producer-Supplier	Application-Details
40	Curing promoters	N-cyclohexy-2-benzothiazolesulfenamide	Curative CBS	NRC	Micro-pellets
41	Curing promoters	Hexamethylenediamine carbamate	Curative HDC, HDC-I	NRC	for AEM, oil coated
42	Curing promoters	N-tertbutyl-2-benzothiazole Sulfenamide	Curative TBBS / NS	NRC	for NR, BR, SBR, CR - powder
43	Curing promoters	Urychlovač pro fluoroelastomery	Fluorocure 2, 3, 5	NRC	for FKM - FPM
44	Curing promoters	Tetrabenzylthiuram disulfide	Linkwell TBzTD	LINKWELL	for NB, SBR, NBR
45	Curing promoters	Tetraisobutylthiuram disulfide	Linkwell TiBTD	LINKWELL	for NBR, NR, SBR - oil coated, powder
46	Curing promoters	Hexamethylenediamine carbamate	Norcure HMDC	NRC	for FKM, AEM (Vamac), ACO - powder
47	Curing promoters	Zinc dialkyl dithiophosphate	Norcure ZDTP 70	NRC	for EPDM, NBR, NR, SBR - powder
48	Processing agents	Lubricity addives - PE wax	A-C	Honeywell	homopolymere PE wax
49	Processing agents	Lubricity addives	TRAWAX ESA, OSA	Tramaco	fatty acid amide
50	Processing agents	Plasticiters	NITRISIL	NRC	acrylonitril-butadiene + calcium silicates
51	Processing agents	Curing plasticiters	LIR	Kuraray	liquid polyisoprene
52	Processing agents	Curing plasticiters	PLASTICISER	NRC	DBEEA, di(butoxyethoxyethyl)-adipate
53	Processing agents	Curing plasticiters	NORPLAST BTGA	NRC	butyltriglykol-adipate
54	Processing agents	Tackifier	Chemitac	NRC	metal-rubber adhesive promotion
55	Processing agents	Tackifier	HIRENOL	KOLON	tackifier rubber additive
56	Processing agents	Dispersing agent	Silcosperse	GAYSON	Dispersant for MgO and separator for silicone rubber
57	Processing agents	Dispersing agent	Silcogum	GAYSON	Dispersant for pigments in silicone rubber
58	Antiscorch additive	N-(cyclohexyl thio) phthalimide	CTP (PVI)	NRC	for NR, NBR - S curing
59	Antidegrading agent	2.2.4-Trimethyl-1,2 dihydrochinolin	Norantox TMQ	NRC	for FKM, SBR, NBR, CR, NR, silikon
60	Antidegrading agent	4,4-Bis (1,1-dimethylbenyl) diphenylendiamine	Quantox 45, 45 MG	NRC	for EPDM, CR, NBR, HNBR a AEM (Vamac), micro-granulate
61	Fillers	Furnace carbon black	N 100 - N 700	Columbian	Powder, pellets
62	Fillers	Thermal carbon black	N 990 - N 991	Cancarb	Powder, pellets
63	Fillers	Conductive carbon black	ENSACO	Timcal	Powder, pellets
64	Fillers	Conductive graphite	TIMREX	Timcal	Synthetic ane natural graphite
65	Fillers	Calcinated clay	POLYFIL	KAMIN	for EPDM
66	Fillers	Activeted PE (UHMW PE)	Inhance UH, HMW-PE	Inhance Fluoro-Seal	Enhance of mechanical properties
67	Separators	Semipermanent separators	TRASYS 9825, 500, 818	DuPont	for FKM, NBR, EPDM, silicone - rotomolding, hoses
68	Separators	Separators	DAIFREE	DAIKIN	for FKM, SBR, NBR, CR, NR, silicone
69	Foaming agents	Benzene-sulfohydrazide	TRACEL BSH 75 K1P	Tramaco	for EPDM, NR, SBR, NBR - paste, above 100 °C
70	Foaming agents	Toluene-sulfo-hydrazide	TRACEL TSH 75 K1P	Tramaco	for EPDM, NR, SBR, NBR - paste, above 110°C
71	Foaming agents	Oxi-bis-benene-sulfohydrazide	TRACEL OBSH 75 KP	Tramaco	for EPDM, NR, SBR, NBR - paste, above 160°C
72	Foaming agents	Azodicarbonamide	TRACEL ADC 2/75 P	Tramaco	for EPDM, NR, SBR, NBR - paste, above 200°C
73	Foaming agents	Azodicarbonamide	TRACEL SR 165/75 K	Tramaco	for EPDM, NR, SBR, NBR - paste, above 165°C
74	Foaming agents	Azodicarbonamide	TRACEL K 3/95	Tramaco	for EPDM, NR, SBR, NBR - paste, above 130-140°C
75	Foaming agents	Exotermic foaming agent	UNICELL BSH NE	Tramaco	for EPDM, NR, SBR, NBR - paste, above 100°C
76	Foaming agents	Exotermic foaming agent	UNICELL H	Tramaco	for EPDM, NR, SBR, NBR - paste, above 110°C
77	Foaming agents	Exotermic foaming agent	TRACEL OBSH 160 NER	Tramaco	for EPDM, NR, SBR, NBR - paste, above 160°C
78	Foaming agents	Exotermic foaming agent	UNICELL D 200 A	Tramaco	for EPDM, NR, SBR, NBR - paste, above 205-210°C
79	Foaming agents	Exotermic foaming agent	UNICELL GP 5	Tramaco	for EPDM, NR, SBR, NBR - paste, above 205°C

Raw magterials and additives for rubber industry

Code	Group	Product - Chemistry	Product name	Producer-Supplier	Application-Details
80	Antiozonants	N-(1,3-dimethylbutyl)-N-phenyl-p-phenylendiamine	Norazon 6PPD	NRC	for EPDM, NR, SBR, NBR
81	Antiozonants	N-isopropyl-N'-phenyl-p-phenylenediamine	Norazon IPPD	NRC	for EPDM, NR, SBR, NBR
82	Flame retardants	Chlorparafines	NORDMIN CP 70	NRC	Transport belts
83	Flame retardants	Zinc Borates	FIREBRAKE ZB	NRC	PA, PES
84	Flame retardants	Amonium Polyphosphate	NORDMIN APP	NRC	Coatings
85	Flame retardants	Ethylen diamin fosfát	NORDMIN NP 28	NRC	Resines
86	Flame retardants	Expandovateľný grafit	NORDMIN Ex	NRC	Technical polymers

Mail: jan.vodnansky@nrc-slovakia.sk

Web: www.nrc-slovakia.sk

Contact person: Jan Vodňanský

Mobile: +421 918 418 414

Actualisation: 23.08.2013