

Rubber Additives

Metal Oxyde

Chemical description	Raw Material	Polymerbound	Note
Active zinc oxide	Acti.Z	ZNO AKTIV 60 GE F 140 ZNO AKTIV 80 GE F 140	BET 50 m ² / g
Zinc carbonate	ZYNKO3	ZN TRASP 60 GE F 140	Trasparent
Zinc oxide	ZnO Gold Seal	ZNO 80 GE F 250	Gold Seal
Magnesium oxide	-	MGO 60 GE P 250	-
Antimony trioxyde	-	TRIOXIDE 90 GE F 250	-

Retarders

Chemical description	Raw Material	Polymerbound	Note
PVI	PVI op	PVI 50 GE F 140 PVI 80 GE F 140	CTP
Retarder	-	RETARDER E 80 GE F 140	-

Accelerators

Guanidines

Chemical description	Raw Material	Polymerbound	Note
1,3-diphenyl-guanidine	DPG op	DPG 75 GE F 140 DPG 80 GE F 140 DPG 80 GE F 140 DAX	-

Thiazoles

Chemical description	Raw Material	Polymerbound	Note
2-mercapto-benzothiazole	MBT op	MBT 75 GE F 140 MBT 80 GE F 140 MBT 80 GE F 140 DAX	-
Di(benzothiazol-2-yl) disulfide	MBTS op	MBTS 70 GE F 140 MBTS 75 GE F 140 MBTS 80 GE F 140 MBTS 80 GE F 140 DAX	GREEN or NATURAL
Zinc-2-mercapto-benzothiazole	ZMBT op	ZMBT 80 GE F 140	-

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Sulpenamides

Chemical description	Raw Material	Polymerbound	Note
<i>N</i> -cyclohexyl-2-benzothiazyl sulfenamide	CBS op	CBS 80 GE F 140	BLUE or NATURAL
<i>N,N</i> -dicyclohexyl- 2-benzothiazyl sulfenamide	DCBS op	DCBS 80 GE F 140	-
2-(morpholiniothio) benzothiazole	MBS gr	MBS 80 GE F 140	BLUE or NATURAL
<i>N</i> -tert-butylbenzothiazyl sulfenamide	TBBS op	TBBS 75 GE F 140 TBBS 80 GE F 140	-

Thioureas

Chemical description	Raw Material	Polymerbound	Note
1,3-diethyl thiourea	DETU pd	DETU 80 GE F 140	-
Imidazolidine-2-thione (1,3 - Ethylenethiourea)	-	ETU 80 GE	-
<i>N,N'</i> -diphenylthiourea	DPTU op	DPTU 75 GE F 140 DPTU 80 GE F 140	-

Thiurames

Chemical description	Raw Material	Polymerbound	Note
Dipentamethylene thiuram hexasulfide	DPTH op	DPTH 70 GE F 140 DPTH 75 GE F 140	DPTT
Dimethyl diphenyl thiuram disulfide	MPTD op	MPTD 80 GE F 140	-
Tetraethyl thiuram disulfide	TETD op	TETD 75 GE F 140	-
Tetramethyl thiuram monosulphide	TMTM op	TMTM 75 GE F 140 TMTM 75 GE F 140 DAX TMTM 80 GE F 140	-
Tetramethyl thiuram disulphide	TMTD op	TMTD 70 GE F 140 TMTD 80 GE F 140 TMTD 80 GE F 140 DAX	ORANGE or NATURAL
Tetrabenzyl thiuram disulfide	TBzTD op	TBzTD 70 GE F 140 TBzTD 80 GE F 140	-
Tetrabutyl thiuram disulfide	TBTD lq	TBTD 60 DL TBTD 70 DL	Dry Liquid

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Carbamates

Chemical description	Raw Material	Polymerbound	Note
Zinc diethyl dithiocarbamate	ZDEC op	ZDEC 75 GE F 140 ZDEC 80 GE F 140	-
Zinc dibutyl dithiocarbamate	ZDBC op	ZDBC 80 GE F 140 ZDBC 80 GE F 140 DAX	-
Zinc dimethyl dithiocarbamate	ZDMC op	ZDMC 75 GE F 140 ZDMC 80 GE F 140 ZDMC 80 GE F 140 DAX	
Zinc dibenzyl dithiocarbamate	ZBEC op	ZBEC 70 GE F 140 ZBEC 80 GE F 140 ZBEC 80 GE F 140 DAX	-
Zinc ethyl phenyl dithiocarbamate	ZEPC op	ZEPC 80 GE F 140	-
Tellurium diethyl dithiocarbamate	TDEC op	TDEC 75 GE F 140	-

Phosphates

Chemical description	Raw Material	Polymerbound	Note
Zinc dialkyl dithiophosphate	ZDTP 70 DL	ZDTP 50 GE F 140	BLUE or NATURAL

Antioxidants

Chemical description	Raw Material	Polymerbound	Note
Octylated diphenylamine	OCD flakes	-	-
4 and 5-methyl-2-mercapto benzimidazole	MMB op	MMBI 70 GE F 140 MMBI 70 GE F 140 DAX	
Zinc 4 and 5-methyl-2-mercapto benzimidazole	ZMMB op	ZMMB 50 GE F 140	
Bis[4-(2-phenyl-2-propyl)phenyl]amine (BPH)	N 445 pd	N 445 - 70 GE F 140	-
2,2'-Methylenebis(6-tert-butyl-4-methylphenol)	22M46 pd	22M46 - 75 GE F 140	-

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Vulcanizers

Chemical description	Raw Material	Polymerbound	Note
<i>Di(morpholin-4-yl)disulphide</i>	DTMD crystal powder	DTDM 80 GE F 140 DTDM 80 GE F 140 DAX	-
<i>Sulphur</i>	Sulphur op	S 80 GE F 140 S 80 GSF 140 Sulphur S 80 GE F 140 Sulphur S 80 GE F 140 DAX	-
<i>Insoluble Sulphur</i>	HS OT 20	IS 60/75 GE F 140	75% of sulfur, in which 60% is insoluble sulfur
<i>Insoluble Sulphur</i>		IS 90/65 GE F 140	65% of sulfur, in which 90% is insoluble sulfur

Adhesion Promoter

Chemical description	Raw Material	Polymerbound	Note
<i>Hexakis(methoxymethyl)melamine</i>	-	HMMM 50 GE F 140	-

Silica

Trade name	Countertypes
Silica ZC 185 pd	Ultrasil VN 3 / Vulkasil S
Silica ZC 185 gr	Ultrasil VN 3 GR / Vulkasil S KG

Resins

Trade name	Countertypes
C 5 100 col. 5	Escorez 1102 - 2102
C 9 100 col. 10	Norsolene SP 95 / Novarez TD 100
C9 100 col. 16	Dark - brown (for black compound)

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Silane

Trade name	Countertypes
Si 69/50	Dry Liquid

Antiozone Waxes

Trade name	Countertypes
ANTIOZONE AO 721	Riowax 721

Processing Aids

Trade name	Description
DELTAGRAN 4	Blend of paraffin and fatty acids esters
DELTAGRAN 6	Zinc soaps of insaturated fatty acids
DELTAGRAN 15	Blend of paraffin and fatty acids
DELTAGRAN 16	Blend of fatty acids and Calcium soaps
DELTAGRAN 19	Blend of hydrocarbon paraffines and fatty acids
DELTAGRAN 25	Blend of fatty acids and isoalkanes
DELTAGRAN 40	Blend of hydrocarbons resin
DELTAGRAN 42	Blend of fatty acids, fatty esters and superior alcohols
DELTAGRAN 42 Low	Blend of fatty acids, fatty esters and superior alcohols
DELTAGRAN 222	Blend of high molecular weight aliphatic fatty acid esters
DELTAGRAN FL PLUS	Blend of metal soap, higher alcohols and fatty acids