

Vibiplast's Pre-dispersed Rubber Chemicals (Polymer-bounds) have now become synonymous with quality, reliability and high performance.

Our Polymer-bounds, completely produced in Italy, are known, appreciated and distributed in over 35 different European and non-European countries. Specialized technicians take care of the entire production process, ensuring constantly top quality standards.

VIBIPLAST serves the most famous and well-regarded producers of compounds and rubber articles at international level.

Visit our website to find out the full range of products and discover the nearest distributor in your area.

*The perfect partner
for your rubber*

Rubber Chemicals Product Range



VIBIPLAST

 **Deltagran**[®]
MADE IN ITALY BY VIBIPLAST SINCE 2007

Products features benefit:

Our Pre-dispersed Rubber Chemicals are composed of a special multi polymer matrix of low viscosity and dispersing agents. The major benefits in using our Polymer-bounds compared to the classic additives are:

- Prevent or avoid the creation of holes and cracks on the cylinder mixer during the additives phase.
- Improved dispersion during the mixing process.
- Faster and more efficient mixing, resulting in increased productivity, reduced production time and costs.
- Better handling due to a more efficient and easy dosing of the granules.
- Higher repetitiveness of vulcanization with significant reduction of lots out of specification.
- Reduced atmospheric dustiness on production lines with relevant improvement of health and working conditions of operators.
- No extra costs for the disposal of packaging.
- The Vibiplast Polymer-Bound packaging, having no residual dust, but only traces of talc, can be disposed of as non-hazardous waste.

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Variety and customization:

Blend of Rubber Chemicals Pre-dispersed. Special needs can be satisfied creating mixtures of Multi-component Rubber Chemicals. A complete Range of Chemicals for the rubber industry is always available in dedicated warehouses, managed with a First In First Out system. Vibiplast Product portfolio also includes Rubber Chemicals in powder, silica, resins, silane, waxes and a wide range of process aids.

Rubber Chemicals Product Range

Metal Oxide

Chemical description	Raw Material	Polymerbound	DAX ¹ Version	Note
Active zinc oxide	Acti.Z	ZnO AKTIV 60 GE F 140		BET
		ZnO AKTIV 80 GE F 140	available	50 m ² / g
Zinc carbonate	ZYNKO3	Zn TRASP 60 GE F 140		Trasparent
Zinc oxide	ZnO Gold Seal	ZnO 80 GE F 250	available	Gold Seal
Magnesium oxide	-	MGO 60 GE P 250		-
Antimony trioxyde	-	TRIOXIDE 85 GE F 250		-
		TRIOXIDE 90 GE F 250		-

Retarders

Chemical description	Raw Material	Polymerbound	DAX ¹ Version	Note
PVI	PVI op	PVI 50 GE F 140		CTP
		PVI 80 GE F 140	available	
Retarder	Mix	RETARDER E 80 GE F 140		-

Accelerators

Guanidines

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

Rubber Chemicals Product Range

Thiazoles

Chemical description	Raw Material	Polymerbound	DAX ¹ Version	Note
2-mercapto-benzothiazole	MBT op	MBT 75 GE F 140		-
		MBT 80 GE F 140	available	
		MBT 80 GEP 140		
Di(benzothiazol-2-yl) disulfide	MBTS op	MBTS 70 GE F 140		GREEN or NATURAL
		MBTS 75 GE F 140	available	
		MBTS 80 GE F 140	available	
		MBTS 80 GEP 140		
		MBTS 80 GSF 140		
Zinc-2-mercapto-benzothiazole	ZMBT op	ZMBT 80 GE F 140		-

Sulpenamides

Chemical description	Raw Material	Polymerbound	DAX ¹ Version	Note
N-cyclohexyl-2-benzothiazyl sulfenamide	CBS op	CBS 80 GE F 140	available	BLUE or NATURAL
		CBS 80 GEP 140		
		CBS 80 GSF 140		
N,N-dicyclohexyl- 2-benzothiazyl sulfenamide	DCBS op	DCBS 80 GE F 140		-
N-tert-butylbenzothiazyl sulfenamide	TBBS op	TBBS 75 GE F 140		-
		TBBS 80 GE F 140	available	
		TBBS 80 GSF 140		

Thioureas

Chemical description	Raw Material	Polymerbound	DAX ¹ Version	Note
1,3-diethyl thiourea	-	DETU 80 GE F 140		-
		DETU 80 GEP 140		
Imidazolidine-2-thione (1,3 - Ethylenethiourea)	-	ETU 80 GE		-
N,N'-diphenylthiourea	DPTU op	DPTU 50 GE F 140		-
		DPTU 75 GE F 140		
		DPTU 80 GE F 140		

op: Oiled Powder pd: Powder gr: Granuls lq: Liquid DL: Dry-liquid s. DAX: Products specially designed for automatic dosing systems.

Rubber Chemicals Product Range

Thiurames

Chemical description	Raw Material	Polymerbound	DAX' Version	Note
<i>Dipentamethylene thiuram hexasulfide</i>	DPTH op	DPTH 70 GE F 140		DPTT
		DPTH 75 GE F 140		
<i>Dimethyl diphenyl thiuram disulfide</i>	MPTD op	MPTD 80 GE F 140		-
<i>Tetraethyl thiuram disulfide</i>	TETD op	TETD 75 GE F 140		-
<i>Tetramethyl thiuram monosulphide</i>	TMTM op	TMTM 75 GE F 140	<i>available</i>	-
		TMTM 80 GE F 140	<i>available</i>	
<i>Tetramethyl thiuram disulphide</i>	TMTD op	TMTD 70 GE F 140		ORANGE or NATURAL
		TMTD 70 GEP 140		
		TMTD 80 GE F 140	<i>available</i>	
		TMTD 80 GEP 140		
<i>Tetrabenzyl thiuram disulfide</i>	TBzTD op	TBzTD 70 GE F 140	<i>available</i>	-
		TBzTD 70 GEP 140		
		TBzTD 80 GE F 140		

Carbamates

Chemical description	Raw Material	Polymerbound	DAX' Version	Note
<i>Zinc diethyl dithiocarbamate</i>	ZDEC op	ZDEC 75 GE F 140		-
		ZDEC 80 GE F 140		
		ZDEC 80 GEP 140		
<i>Zinc dibutyl dithiocarbamate</i>	ZDBC op	ZDBC 75 GE F 140		-
		ZDBC 80 GE F 140	<i>available</i>	
		ZDBC 80 GEP 140		
<i>Zinc dimethyl dithiocarbamate</i>	ZDMC op	ZDMC 75 GE F 140		-
		ZDMC 80 GE F 140	<i>available</i>	
		ZDMC 80 GEP 140		
		ZDMC 85 GE F 140		
<i>Zinc dibenzyl dithiocarbamate</i>	ZBEC op	ZBEC 70 GE F 140	<i>available</i>	-
		ZBEC 80 GE F 140	<i>available</i>	
		ZBEC 80 GEP 140		
<i>Zinc ethyl phenyl dithiocarbamate</i>	ZEPC op	ZEPC 80 GE F 140		-
<i>Tetrakis(diethyl dithiocarbamate- S,S')tellurium</i>	TDEC op	TDEC 75 GE F 140		-

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Phosphates

Chemical description	Raw Material	Polymerbound	DAX ¹ Version	Note
Zinc dialkyl dithiophosphate	ZDTP 70 DL	ZDTP 50 GE F 140		BLUE or NATURAL
Zinc dialkyl dithiophosphate	-	ZBOP 50 GE F 250		BLUE or NATURAL

Antioxidants

Chemical description	Raw Material	Polymerbound	DAX ¹ Version	Note
Octylated diphenylamine	OCD flakes	-		-
Nickel bis(dibutylthiocarbamate)	NDBC	-		-
4 and 5-methyl-2-mercapto benzimidazole	MMB op (MMBI)	MMBI 50 GE F 140 MMBI 70 GE F 140	available available	-
Zinc 4 and 5-methyl-2-mercapto benzimidazole	ZMMB op	ZMMB 50 GE F 140 ZMMB 70 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		-

Vulcanizers

Chemical description	Raw Material	Polymerbound	DAX ¹ Version	Note
Di(morpholin-4-yl)disulphide	DTDM crystal powder	DTDM 80 GE F 140 DTDM 80 GEP 140	available	-
Sulphur	Sulphur op	S 80 GE F 140 S 80 GSF 140 Sulphur S 80 GE F 140	available	-
Insoluble Sulphur	HS OT 20	IS 60/75 GE F 140		75% of sulfur, in which 60% is insoluble sulfur
Insoluble Sulphur		IS 90/65 GE F 140		65% of sulfur, in which 90% is insoluble sulfur

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Cross-Linker

Chemical description	Raw Material	Polymerbound	DAX' Version	Note
<i>Triallyl Cyanurate</i>	TAC 70 DL	TAC 50 Special		-

Adhesion Promoter

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

Resins

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

Silane

Trade name	Note
Si 69/50	<i>Dry Liquid</i>
Si 69/70	

Antiozone Waxes

Trade name	Alternative to	Note
ANTIOZONE AO 721	<i>Riowax 721 / Ser AO 54</i>	-

Rubber Chemicals Product Range

Processing Aids

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