

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.

Vibiplast Srl

Via Modigliani n. 12

20022 CASTANO PRIMO (MI) - ITALY

Tel. +39 0331 88 03 54

www.vibiplast.it

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 50 m ² / g
		ZNO AKTIV 80 GE F 140		
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	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	

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	
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 GSF 140		
Zinc-2-mercapto-benzothiazole	ZMBT op	ZMBT 80 GE F 140		-

op: Oiled Powder pd: Powder gr: Granuls lq: Liquid DL: Dry-liquid 1.DAX: Products specially designed for automatic dosing systems.

Rubber Chemicals Product Range

Chemical description	Raw Material	Polymerbound	DAX ¹ Version	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		-
<i>N</i> -tert-butylbenzothiazyl sulfenamide	TBBS op	TBBS 75 GE F 140	available	-
		TBBS 80 GE F 140		
		TBBS 80 GSF 140		

Thioureas

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

Thiurames

Chemical description	Raw Material	Polymerbound	DAX ¹ 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	available	-
		TMTM 80 GE F 140		
<i>Tetramethyl thiuram disulphide</i>	TMTD op	TMTD 70 GE F 140	available	ORANGE or NATURAL
		TMTD 80 GE F 140		
<i>Tetrabenzyl thiuram disulfide</i>	TBzTD op	TBzTD 70 GE F 140		-
		TBzTD 80 GE F 140		
<i>Tetrabutyl thiuram disulfide</i>	TBDT lq	TBDT 60 DL		Dry Liquid
		TBDT 70 DL		

Carbamates

op: Oiled Powder pd: Powder gr: Granuls lq: Liquid DL: Dry-liquid 1.DAX: Products specially designed for automatic dosing systems.

Rubber Chemicals Product Range

Chemical description	Raw Material	Polymerbound	DAX' Version	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	available	-
Zinc dimethyl dithiocarbamate	ZDMC op	ZDMC 75 GE F 140		-
		ZDMC 80 GE F 140	available	
		ZDMC 85 GE F 140		
Zinc dibenzyl dithiocarbamate	ZBEC op	ZBEC 70 GE F 140	available	-
		ZBEC 80 GE F 140	available	
Zinc ethyl phenyl dithiocarbamate	ZEPC op	ZEPC 80 GE F 140		-
Tetrakis(diethyldithiocarbamato-S,S')tellurium	TDEC op	TDEC 75 GE F 140		-

Phosphates

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

Antioxidants

op: Oiled Powder pd: Powder gr: Granuls lq: Liquid DL: Dry-liquid 1.DAX: Products specially designed for automatic dosing systems.

Rubber Chemicals Product Range

Chemical description	Raw Material	Polymerbound	DAX' Version	Note
Octylated diphenylamine	OCD flakes	-		-
Nickel bis(dibutyldithiocarbamate)	NDBC	-		-
4 and 5-methyl-2-mercapto benzimidazole	MMB op (MMBI)	MMBI 50 GE F 140 MMBI 70 GE F 140	available	-
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		-
N-isopropyl-N'-phenyl-p-phenylenediamine	IPPD	-		-
N-1,3-dimethylbutyl-N'-phenyl-p-phenylenediamine	6PPD	-		-
1,2-Dihydro-2,2,4-trimethylquinoline, oligomers	TMQ	-		-

Vulcanizers

Chemical description	Raw Material	Polymerbound	DAX' Version	Note
Di(morpholin-4-yl)disulphide	DTDM crystal powder	DTDM 80 GE F 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

Cross-Linker

op: Oiled Powder pd: Powder gr: Granuls lq: Liquid DL: Dry-liquid 1.DAX: Products specially designed for automatic dosing systems.

Rubber Chemicals Product Range

Chemical description	Raw Material	Polymerbound	DAX' Version	Note
Triallyl Cyanurate	TAC 70 DL	-		-

Adhesion Promoter

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

Silica

Trade name	Alternative to	Note
Silica ZC 185 pd	<i>Ultrasil VN 3 / Vulkasil S</i>	-
Silica ZC 185 gr	<i>Ultrasil VN 3 GR / Vulkasil S KG</i>	-

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

op: Dilled Powder **pd:** Powder **gr:** Granuls **lq:** Liquid **DL:** Dry-liquid **1.DAX:** Products specially designed for automatic dosing systems.

Rubber Chemicals Product Range

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

Processing Aids

Trade name	Description	Note
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	-