

Deovulc BG 223

Accelerator Blend / OTOS substitute

Description

Deovulc BG 223 is a blend of accelerators, which cannot form any nitrosable secondary amines

Composition

Synergistic combination of thiazole-, dithiophosphate- and basic accelerators

Application

Developed as a substitute for all accelerator mixtures containing N-oxydiethylene-thiocarbamyl-N-oxydiethylene-sulfenamide (OTOS). For EPDM and NR vulcanizates that have to be free of nitrosamines and must not show any blooming or discoloration. BG 223 significantly delays the revision during vulcanization. Good compression set results are achieved through balanced vulcanization characteristics. By addition of ZBEC or TBzTD or CBS cure times can be shortened.

No blooming phenomena have been observed so far. In view of the multitude of possible compounds formulations, freedom from blomm cannot be guaranteed

Dosage

Black loaded compounds:	4.0 – 6.0 phr
Light coloured compounds:	6.0 – 8.0 phr
Sulphur: 0.8 – 2.0 phr, preferably	1.2 – 1.5 phr
Additional accelerator: possible	

Typical physical properties

		Unit
Colour	Beige dustfree powder	/
Total Sulphur	22,0 – 24,0	%
Density at 20°C	1.34 – 1.46	g/cm ³

Benefits

OTOS substitute
Does not form toxic nitrosamines
Balanced vulcanization characteristics
Good solubility in the polymer and hence bloom free

Associated products

Deovulc EG 3 MF
Deovulc EG 3
Deovulc BG 383

Storage

In originally sealed package in cool and dry places at max. 25°C
Storage stability: min. 18 months

Supply Form

25 kg in cardboxes with PE-inliner

German Food Legislation (BfR recommendation XXI)

Not approved

US Code of Federal Regulations, FDA – CFR Title 21, 177.2600

Not listed

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