

Rhenogran® Vernetzer SXL

Predispersed rubber chemicals and additives

Function

Primary curative for CSM and XIIR

Product description

Composition:	70 % diphenylmethane-4,4'-bismaleimide (DPBM) 30 % polymeric binder, EP(D)M based
Appearance:	yellowish granules
Density, 20 °C:	approx. 1,17 g/cm ³
Melting point (DPBM):	approx. 150-165 °C
Physiological properties:	see safety data sheet

Use

Mode of action: Primary curative for CSM and XIIR yielding good processing safety and excellent compression set. Secondary accelerator in sulfur based cure systems in CSM and HIIR. Improves electrical properties in CSM. Coagent for peroxide cure systems. Safe processing accelerator for CR compounds and alternative for N,N'-m-phenylenedimaleimide.

Vernetzer SXL can be used in conjunction with Rhenogran CaO-80 (acid acceptor and a diamine accelerator) in CSM and halobutyl compounds to reproduce excellent cures. These cures have good processing safety while yielding good compression set and heat resistance properties. When used as a secondary accelerator in sulfur cured CSM, Vernetzer SXL improves the state of cure of the compound. It is useful as a coagent in peroxide cured compounds, producing tighter cures, especially for rubber and TPE-V goods. Vernetzer SXL in CR compounds produces a cure with good processing safety compared to an ETU cure, yet providing nearly equivalent physical properties.

Processing: The polymeric binder system and the homogeneous dispersion of the active substance allows quick absorption into the mix. In this way, optimal activity of the DPBM is assured.

Dosage: Technical rubber goods: 0.7 - 4.5 phr
Technical TPE-V goods: 0.4 - 1.0 phr

Application: Technical molded and extruded articles based on CSM, XIIR, CR, TPE-V, peroxide cured systems, etc.

Packaging

20 kg cartons with PE bag inside on 800 kg skid.

Storage stability

In original closed containers under cool and dry conditions two years (storage temperature should not exceed 30 °C in order to prevent granules from caking)

Handling

For additional handling information on Vernetzer SXL please consult current safety data sheet.

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