

Rhenogran® DOTG-70

Predispersed rubber chemicals and additives

Function

Accelerator for the vulcanization of natural and synthetic rubbers

Product description

Composition:	70 % N,N'-di-o-tolyl guanidine 30 % elastomer binder with dispersing agents
Appearance:	white to grey to slightly red granules
Density, 20 °C:	approx. 1.10 g/cm ³
Physiological properties:	see safety data sheet

Use

Mode of action:	<p>Rhenogran DOTG-70 causes very slow onset of cure and a relatively slow rate of cure. Rhenogran DOTG-70, used on its own, causes a strong reversion. Therefore, the use of effective antioxidants is recommended.</p> <p>When Rhenogran DOTG-70 is used in combination with mercapto, sulfenamide, thiuram and dithiocarbamate accelerators, reciprocal activation and secondary acceleration can be achieved. Crosslinking density and rate of cure are increased. Good mechanical properties and good ageing resistance are obtained. Vulcanisates produced with Rhenogran DOTG-70 show no tendency to blooming.</p>
Processing:	<p>The thermoplastic, fully compatible polymer binder in combination with special dispersing agents allows quick absorption and excellent dispersion in the rubber. In this way, optimal activity of the effective substance is assured.</p>
Dosage:	<p>in NR: primary: 0.8-1.2 phr with 2.5-4 phr sulfur secondary: 0.05-0.4 phr with 1-1.5 phr mercapto accelerator and 1.5-3 phr sulfur</p> <p>in SBR: 0.1-0.4 phr with 1-1.5 phr mercapto accelerator and 1.5-2.5 phr sulfur</p> <p>in NBR: 0.05-0.4 phr with 1.5-2.4 phr sulfur and 0.8-1.5 phr sulfenamide accelerator</p>
Application:	<p>Technical articles (especially thick-walled components), band tires, damping elements, roller coverings, cable sheathing</p>

Packaging

25 kg paper bag on 1000 kg skid

Storage stability

In original closed containers under cool and dry conditions 730 days from date of production

Handling

For additional handling information on Rhenogran DOTG-70 please refer to current safety data sheet

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