

Rhenocure® NPV/C

Specialty and standard chemicals

Function

Accelerator for fast curing of chloroprene and other diene rubbers

Product description

Composition:	ethylene thiourea (ETU)
Appearance:	white to yellowish powder, oil coated
Density, 20 °C:	approx. 1.3 g/cm ³
Solubility:	soluble in acetone and water; insoluble in benzene and toluene
Physiological properties:	see safety data sheet

Use

Mode of action:	Rhenocure NPV/C causes rapid and scorch-safe vulcanization of chloroprene rubber. In other diene rubbers it serves as an activator and secondary accelerator for systems containing little or no sulfur. The vulcanizates, accelerated with Rhenocure NPV/C, show good aging and mechanical properties. Generally, blooming does not occur.
Processing:	Due to the strong accelerating effect Rhenocure NPV/C is mostly incorporated at the end of the mixing cycle (in CR compounds it is advisable to add Rhenocure NPV/C together with ZnO). The dispersion of Rhenocure NPV/C is generally problem-free.
Dosage:	<p>In CR: 4 phr MgO (e.g. Rhenofit D/A) + 5 phr ZnO + 0.4-1.5 phr Rhenocure NPV/C</p> <p>Compounds with low rubber content, or light fillers, for best mechanical properties: 0.5-1.0 phr Rhenocure NPV/C + 0.2-1.0 phr sulfur</p> <p>For continuous vulcanization: 0.8-1.5 phr Rhenocure NPV/C</p>
Application:	Molded and extruded technical articles, cable coverings, foils, rubberized fabrics

Packaging

20 kg cardboard box with PE bag inside on 480 kg skid

Storage stability

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

Handling

For additional handling information on Rhenocure NPV/C.onsult material safety data sheet.

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