

## Rhenogran® DPTU-80

Predispersed rubber chemicals and additives

### Function

Secondary accelerator for CR, EPDM and other diene rubbers, aiming at a fast cure and a high degree of cross-linking with little sulfur or by means of sulfur donors

### Product description

Composition:	80 % N,N'-diphenyl thiourea, 20 % elastomer binder and dispersing agents
Appearance:	white to grey granules
Density, 20 °C:	approx. 1.2 g/cm <sup>3</sup>
Physiological properties:	see safety data sheet

### Use

**Mode of action:** Rhenogran DPTU-80 causes a very fast vulcanization of CR and is especially suitable as a secondary accelerator in CR compounds containing ethylene thiourea (e.g. Rhenogran ETU-80) as a primary accelerator.

In EPDM Rhenogran DPTU-80 acts as an additional accelerator. In many cases Rhenogran DPTU-80 reduces the blooming tendency of other accelerators. In other diene rubbers, e.g. in NR and SBR, Rhenogran DPTU-80 proves to be a strong activating agent and a secondary accelerator, especially when sulfurless cures, EV or semi EV systems are used.

**Processing:** The thermoplastic, fully compatible polymer binder which is combined with special dispersing agents allows quick absorption and excellent dispersion in the mix. In this way, optimal activity of the effective substance is assured.

**Dosage:**

in CR:  
1.25 phr with 1.25 phr Rhenogran ETU-80 + 5 phr ZnO + 4 phr MgO

in EPDM:  
0.6-1.9 phr with 0.6 phr Rhenogran MBT-80 + 1.9 phr Rhenogran TMTM-80 + 1.5 phr sulfur

in NR and SBR:  
0.6-1.9 phr with 3.1-5.0 phr Rhenogran TMTD-80 + 0-0.3 phr sulfur

**Application:** All kind of molded and extruded technical rubber articles

### Packaging

25 kg paper bag on 1000 kg skid

## Storage stability

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

## Handling

For additional handling information on Rhenogran DPTU-80 please refer to current safety data sheet.

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