

## Rhenogran® DPG-80

Predispersed rubber chemicals and additives

### Function

Accelerator for the vulcanization of natural and synthetic rubbers

### Product description

Composition:	80 % N,N'-diphenyl guanidine 20 % elastomer binder and dispersing agents
Appearance:	purple granules (variations in color intensity due to raw materials)
Density, 20 °C:	approx. 1.14 g/cm <sup>3</sup>
Physiological properties:	see safety data sheet

### Use

Mode of action:	Rhenogran DPG-80 provides a very long scorch time and a relatively slow full cure. It causes slight discoloration and cannot be used in light-colored articles, except as an activator. When Rhenogran DPG-80 is used on its own the resistance of the vulcanizates to hot air and oxygen is poor (requiring the use of effective antioxidants). Accelerators of the mercapto class are strongly activated by Rhenogran DPG-80. In IIR and EPDM Rhenogran DPG-80 has only little effect.
Processing:	The thermoplastic, fully compatible polymer binder which is combined with special dispersing agents allows quick absorption and excellent dispersion in the rubber. In this way, optimal activity of the effective substance is ensured.
Dosage:	As primary accelerator: 1-2 phr with 2.5-3.5 phr sulfur As secondary accelerator: 0.1-0.25 phr with 0.75-1 phr mercapto accelerator and 2.5 phr sulfur
Application:	Tires and technical rubber articles of all kind

### Packaging

20 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 DPG-80 please refer to current safety data sheet.

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**LANXESS Deutschland GmbH**  
**Business Unit Rhein Chemie**  
Kennedyplatz 1  
D-50569 Cologne, Germany  
<http://rch.lanxess.com>