

Product description

Composition	80% N,N'-diphenyl guanidine based on specification, 20% EPDM binder and dispersing agents		
Appearance	White or grey-white granules		
Density, 20 °C	1.09-1.15 g / cm ³ (20°C)		
Physiological properties :	See safety data sheet (MSDS)		
Raw material characteristics of DPG:			
Melting point	~ 144 °C	Evaporation loss	≤ 0.3 %
Active content	≥ 96 %	Sieve residue 63µm	≤ 0.1 %
Ash content	≤ 0.4 %		

Use Characteristics The curing accelerator Konson® DPG-80 gives a very long scorch time and a relatively slow full cure. It causes slight discolouration and cannot be used in light-coloured articles, except as an activator. When Konson® 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 type are strongly activated by Konson® DPG-80. In IIR and EPDM compounds, Konson® DPG-80 has only little effect.

Processing Advantages The thermoplastic, excellent compatible EPDM/EVA binder which is combined with active dispersing promoters allows much more easy quick incorporation and excellent dispersion in the rubber mixing. In this way, optimal activity of the effective CBS is assured.

Dosage levels primary: 1 - 2 phr with 2,5 - 3,5 phr sulphur;
secondary: 0,1 - 0,25 phr with 0,75 - 1 phr mercapto accelerator and 2,5 phr sulphur.

Applications Automotive and construction profile, Tire treads, air hoses, conveyor belts, footwear and other technical articles.

Packing Net 25 kg cartons with plastic inner.

Storage stability In original closed containers under cool and dry conditions max. 1 years.

Handling Consult material safety data sheet (MSDS) for additional handling information.