

Product description

Composition	80% Hexamethylene tetramine 20% EPDM/EVA binder and dispersing agents		
Appearance	White or grey-white granules		
Density, 20 °C	Approx. ~ 1.30 g / cm ³ (20°C)		
Mooney Viscosity ML 50 °C	35-50		
Physiological properties : See safety data sheet (MSDS)			
Raw material characteristics of HEXA:			
Melting point	263 °C	Evaporation loss	≤ 0.3 %
HEXA content	≥ 98.5 %	Sieve residue 63µm	≤ 0.3 %
Ash content	≤ 0.4 %		

Use Characteristics Konson®HEXA-80 is a slightly basic accelerator for slow vulcanization. It causes the cure to start almost as soon as it has been added. The rate of cure as a whole is fairly slow. Konson®HEXA -80 provides a high degree of crosslinking. The compounds containing HEXA-80 receive activation and secondary acceleration from mercapto, sulphenamide, thiuram and dithiocarbamate accelerators. Konson®HEXA-80, in combination with resorcinol, is especially used as a formaldehyde donor for the rubber to metal bonding (steel cords). Rubber to metal bonding is effectively influenced by the excellent dispersion of the granulated chemical. The additional use of an antioxidant is recommended to improve the resistance to ageing of vulcanizates, which have been accelerated by Konson® HEXA-80. Generally blooming does not occur.

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

Dosage levels Accelerator: primary (for thick section articles): 0.6 - 0.8 phr with 3 - 4 phr sulfur; secondary: 0.1 - 0.35 phr with 0.25 - 1.0 phr mercapto or thiuram accelerator and 2.0 - 3.5 phr sulfur
Hardening: 10% of total phr of hardening phenolic resin e.g. SP 6700 and SP 6701.
For formaldehyde donor: 1.3 - 1.6 phr with 2.5 - 3.2 phr Konson®n R -80;

Applications Slow-curing compounds, thick section articles, roller coverings, light-colored and transparent articles, formaldehyde donor for resorcinol-based adhesive compounds and hardening phenolic resin-based high hardness compounds.

Packing Net 25 kg cartons with plastic inner.

Storage stability In original closed containers under cool and dry conditions max. 2 years.

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