

Product description

Composition	80% zinc-diethyl-dithiocarbamate, 20% EPDM/EVA binder and dispersing agents		
Appearance	White to greyish granules		
Density,20 °C	Approx. ~ 1.33g / cm ³ (20°C)		
Physiological properties : See safety data sheet (MSDS)			
Raw material characteristics of ZDEC:			
Melting point	~ 174°C	Evaporation loss	≤ 0.5%
ZDMC content	≥ 97%	Sieve residue 63μm	≤ 0.5%
Zinc Content	17.0 - 19.0 %	Zinc Salt Soluble in water	≤ 0.02%
Ash content	≤ 0.5 %		

Use Characteristics Konson® ZDEC-80 causes very rapid vulcanization of natural and synthetic rubbers, e.g. SBR, NBR and EPDM. The addition of thiuram and thiazole accelerators can retard the start of the vulcanization and, at the same time, increase processing safety. Konson®ZDEC-80 provides a longer scorch time and a faster total curing rate than Konson®ZDBC-80. Konson®ZDEC-80 receives an additional activation from basic accelerators. Konson®ZDEC-80 is also used in small amounts for secondary acceleration and activation of mixes which are going to be cured with mercapto or thiuram accelerators. Konson®ZDEC-80 gives very good tensile and resilience properties. For improving the resistance to ageing especially of NR and IR it is recommended to add antioxidants.

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 ZDEC is assured.

Dosage levels NR:0.3 - 1.0 phr; as secondary accelerator: 0.1 - 0.2 phr;
SBR and NBR:0.8 - 1.2 phr; as secondary accelerator: 0.1 - 0.2 phr.

Applications Suitable for technical rubber articles based on NR, EPDM, IR, SBR, NBR or IIR..

Packaging 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.