

Product description

Composition	80% zinc-dibutyl-dithiocarbamate, 20% EPDM/EVA binder and dispersing agents		
Appearance	White to yellowish granules		
Density, 20 °C	Approx. ~ 1.16 g / cm ³ (20°C)		
Physiological properties : See safety data sheet (MSDS)			
Raw material characteristics of ZDBC:			
Melting point	~ 104 °C	Evaporation loss	≤ 0.5%
ZDBC content	≥ 97%	Sieve residue 63µm	≤ 0.5 %
Zinc Content	13.0 - 15.0 %	Ash content	≤ 0.5 %

Use Characteristics Konson® ZDBC-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 curing rate increase processing safety. Konson® ZDBC-80 has a shorter scorch time and a slower total curing time than Konson®ZDEC-80, Konson®ZEPC-80 and Konson®ZDMC-80. Basic accelerators have an activating effect on Konson®ZDBC-80.

Konson® ZDBC-80 is also used in small amounts for secondary acceleration and activation of compounds which are going to be cured with mercapto or thiuram accelerators. Konson® ZDBC-80 gives the vulcanizates very good tensile and resilience properties. It is recommended to add antioxidants to improve resistance to ageing especially of NR and IR.

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 ZDBC is assured.

Dosage levels NR: 0.6 - 1.0 phr; as secondary accelerator: 0.1 - 0.2 phr;
SBR and NBR: 0.6 - 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.