

Product description

Composition	70% Zinc-dibenzyl- dithiocarbamate, 30% EPDM/EVA binder and dispersing agents		
Appearance	Light-yellow granules		
Density,20 °C	1.20-1.26 g / cm ³ (20°C)		
Physiological properties : See safety data sheet (MSDS)			
Raw material characteristics of ZBEC:			
Melting point	~ 178 °C	Evaporation loss	≤ 0.5%
ZBEC content	≥ 97%	Sieve residue 63µm	≤ 0.5 %
Zinc Content	10.0 - 11.5 %	Ash content	≤ 0.5 %

Use Characteristics A nitrosamine free super accelerator Konson® ZBEC-70 is a fast action thiocarbamate accelerator which has not been found to produce any harmful cancer-causing materials. Konson® ZBEC-70 can be used as a primary or secondary accelerator both in natural and synthetic rubbers, e.g. EPDM, IR, SBR, NBR, IIR. Compared with conventional dithiocarbamate accelerators, Konson® ZBEC-70 has a high level of processing safety. In compounds containing thiazole or sulphenamide accelerators, Konson® ZBEC-70 has an activating effect. Appropriate matching dosage of Zinc oxide and sulfur when using, the aliphatic acid (e.g. stearic acid) is not necessary. When same molar dosages of ZBEC-70 are used, vulcanizates containing Konson® ZBEC-70 demonstrate similar modulus to other dithiocarbamates.

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 ZBEC is assured.

Dosage levels	EPDM: Konson® ZBEC-70:	0.8-2.5 phr
	Konson® S-80:	1.0-2.0 phr
	Konson® MBT (MBTS)-80:	1.0-2.0 phr
	Konson® CBS-80:	0.5-1.5 phr;
	NR, SBR, NBR: Konson® ZBEC-70:	0.8-2.0 phr
	Konson® S-80:	1.0-2.0 phr
	Konson® MBT (MBTS)-80:	0.5-3.0 phr.

Applications Suitable for technical rubber articles based on NR, EPDM, IR, SBR, NBR or IIR. Particularly suitable for light or brightly colored rubber articles.

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.