

Product description

Composition	80% dibenzothiazyl disulphide, 20% EPDM/EVA binder and dispersing agents		
Appearance	Beige granules		
Density, 20 °C	Approx. ~ 1.17 g / cm ³ (20°C)		
Physiological properties : See safety data sheet (MSDS)			
Raw material characteristics of TBBS:			
Melting point	~ 106 °C	Evaporation loss	≤ 0.3 %
TBBS content	≥ 98%	Sieve residue 63µm	≤ 0.5 %
Ash content	≤ 0.3 %		

Use Characteristics Delayed action accelerator Konson® TBBS-80 for NR, IR, BR, SBR, NBR, and EPDM. It is suitable used for high temperature kneading and provides a considerably long scorch time, great processing safety and a fast full cure. Konson® TBBS-80 is used as a independent accelerator for the low sulfur vulcanization or together with dithiocarbamate or thiuram accelerators. The vulcanizates obtained have good ageing resistance and good moduli. The curing rate of mixes containing Konson® TBBS-80 in combination with thiuram and Dithiocarbamate is noticeably reduced. Thiourea has a strong secondary acceleration effect on Konson® TBBS-80, mainly in mixes containing little sulphur. In compounds which are accelerated with mercaptanes and thiurams, Konson® TBBS-80 may delay scorch.

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 TBBS is assured.

Dosage levels NR: primary: 0.5 - 1.0 phr with 2.5 - 3.5 phr sulfur
secondary: 0.5 phr with 1.5 - 3.5 phr sulfur and 0.3 phr mercapto or thiuram accelerator;
SBR: 1.0 - 1.4 phr with 1.5 - 2.5 sulfur and 0 - 0.2 phr thiuram accelerator.

Applications Mechanical articles of all kinds, e.g. treads, carcasses, air hoses, conveyor belts, transmission belts, hoses, cable insulations.

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.