

**Product description**

Composition	80% morpholine disulfide (4,4'-dithiodimorpholine), 20% EPDM/EVA binder and dispersing agents		
Appearance	Grey granules		
Density, 20 °C	1.02-1.22 g / cm <sup>3</sup> (20°C)		
Physiological properties : See safety data sheet (MSDS)			
Raw material characteristics of DTDM:			
Melting point	~ 118 °C	Evaporation loss	≤ 0.5 %
DTDM content	≥ 96 %	Sieve residue 63µm	≤ 0.8 %
Ash content	≤ 0.5 %	Sulfur content	25.0-29.0%

**Use Characteristics** The curing accelerator Konson® DTDM-80 liberates free sulphur which, in contrast to normal sulphur, mainly forms mono and diether bridges under normal curing conditions. These are responsible for excellent heat ageing resistance of the vulcanizates. Konson® DTDM-80 causes no blooming effects which are generally observed when using thiuramdisulphides as crosslinking agents. In contrast to compounds with Konson®CLD-80, compounds with Konson® DTDM-80 stand out for their increased safety in scorch properties. When the full curing temperature is reached, a quick vulcanization follows. Acid compounding ingredients may cause a premature decomposition of Konson® DTDM-80 and thus reduce the excellent scorch safety (long scorch time). In general the use of Konson® DTDM-80 is recommended whenever favourable compression set behaviour and advantageous ageing behaviour is required.

**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 DTDM is assured.

Dosage levels	NR and SBR		
		with carbon black	light color fillers
	Konson® DTDM-80	1.0 - 2.0	1.0 - 2.0 phr
	Konson® S-80	0.25 - 1.0	0.25 - 1.0 phr
	Konson® CBS-80	0.5 - 0.75	- phr
	Konson® MBTS-80	-	0.3 - 0.5 phr
	Konson® TMTD-80	-	0.3 - 0.5 phr
	NBR and IIR		IIR
	Konson® DTDM-80	1.0 - 2.0	1.2 - 2.0 phr
	Konson® S-80	0.0 - 0.5	1.0 - 1.75phr
	Konson® CBS-80	1.5 - 3.0	- phr
	Konson® MBTS-80	-	1.0 - 2.5 phr
	Konson® TMTD-80	0.5 - 2.5	1.0 - 2.5 phr

For sulfurless vulcanization

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Konson® DTDM-80	1.25 - 2.0 phr
Konson® CBS-80	1.0 - 1.5 phr
Konson® TMTD-80	1.0 - 1.5 phr.

**Applications** articles resistant to reversion based on NR, such as tyre carcasses and age-resistant articles based on SBR, NBR and EPDM.

**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.