

Mixslab[®] TMTD 75

Manufacturer: Shandong Yanggu Huatai Chemical Co., LTD.
Classification: Thiuram accelerator and sulfur donor Dispersion

Specification Properties	Value
Mooney Viscosity	30-70
Sulfur, %	39-43
Typical Properties	Value
Density, g/cm ³ @20°C	1.2
Physical Form	White Slab

> APPLICATIONS

Uses: Mixslab[®] TMTD 75 causes very rapid but scorch-safe vulcanization of natural and synthetic rubbers. In combination with mercapto or sulfenamide accelerators the vulcanization undergoes retardation. In such cases they have little effect on the degree of crosslinking; they mainly reduce the scorch rate and increase total curing time. Mixslab[®] TMTD 75 receives an additional activation from basis accelerators, e.g. aldehyde-amine and guanidine.

Mixslab[®] TMTD 75 is used as a primary accelerator in combination with sulfur, as a secondary accelerator in conjunction with thiazoles, sulfenamides, carbamates and as a curing agent, sulfur donor, without free sulphur. Sulfurless cure or low sulfur vulcanization is providing heat resistant vulcanizates with good ageing properties.

>ADVANTAGES OF DISPERSION FORM

Reduced Manufacturing Costs:

- Better dispersion of chemicals
- Faster mixing equating to increased mixing equipment output
- Reduced labor cost
- 5% reduction in lost chemicals
- More efficient use of chemicals
- Suitable for automatic weighing and handling equipment

Quality Improvements:

- Single source of raw materials
- Better dispersion leading to more consistent cure times and physical properties
- Reduction of off-spec batches



Technical Data Sheet

Environmental:

- Reduced airborne dust
- Less skin contact to mixing operators
- Elimination of residual dust in packaging
- Reduced chemical usage

> PACKAGING AND STORAGE

Packaging: 25 kg (55.1 lb.) bags.

Shelf Life: 2 years from date of manufacture if stored as indicated below.

Storage: Store in a closed container in a cool, dry environment away from chlorinated rubber.

Specification Date: July 14, 2015 (Supersedes August 19, 2014)