

Sovchem[®] ZMBT Powder

Manufacturer: Sovereign Chemical Company
Classification: Thiazole Accelerator
CA Nomenclature: 2-Benzothiazolethione, zinc salt
Synonym Nomenclature: Zinc 2-mercaptobenzothiazolate, Zinc salt of 2-mercaptobenzothiazole

Specification Properties	Value	Test Method
Free MBT, %	11-15	SCC-115
Heat Loss, %	0.3 maximum	GB11409.4
Melting Point (Initial), °C	200 minimum	GB11409.1
Sieve Retention on 150 μ , %	0.1 maximum	GB11409.5-89
Sieve Retention on 63 μ , %	0.5 maximum	GB11409.5-89
Zinc Content, %	15-18	SCC-119
Typical Properties	Value	Test Method
Physical Form	Light yellow powder	Visual

> APPLICATIONS

Uses: May be regarded as an intermediate between M and DM. Used as a secondary accelerator in combination with PZ and EZ. Similar performance as MBT at curing temperatures in dry rubber application, Has lower scorch and better processing safety. Suitable for mold curing. Require zinc oxide and stearic acid as activators in many kinds of rubber batch. Easily disperses in rubber; yields non-staining and non-discoloring products. Mainly used in the manufacture of latex products, foam rubber, latex coating gloves, etc.

Polymers: Used for NR, IR, SBR, NBR, EPDM and latex.

> PACKAGING AND STORAGE

Packaging: 25 kg (55.1 lb.) bags.

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

Storage: Product should be stored in cool, dry place with good ventilation, avoiding exposure of the packaged product to direct sunlight.

Specification Date: April 1, 2011 (Supersedes August 10, 2010)