

Technical Data Sheet

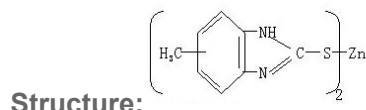


荣欣鑫橡胶助剂

RONGXIN XIN RUBBER ADDITIVES

Antioxidant ZMMBI(ZMTI, MMBZ)

Chemical Name: Zine 2-mercapto-4(or5)-methylbenzimidazole



Molecular Formula: C₁₆H₁₆N₄S₂Zn

Molecular Weight: 391.81

CAS NO.: 61617-00-3

Specification:

Item	Powder	Oiled powder
Appearance	Gray-white powder	
Initial M.P. °C ≥	270.0	270.0
Loss on drying % ≤	1.50	1.50
Zinc Content,%	15.0-20.0	15.0-20.0
Residue on 150µm sieve % ≤	0.10	0.10
Residue on 63µm sieve % ≤	0.50	0.50
Additive %		1.0-2.0

Properties: This product is a white powder, non-toxic, odorless, bitter taste. Soluble in Acetone, ethanol, insoluble in benzene, gasoline, water. Storage stability.

Applications: This product is one of non-polluting antioxidant varieties, similar in performance and antioxidant MBZ, used as NR,SBR,BR and other synthetic rubber, anti-thermal aging effect is obvious, it has synergistic effect with Amine and phenol antioxidant to improve the heat and oxygen aging resistance. It can be used in nitrile rubber. When used together with accelerator M and DM, it has the function of inhibiting the accelerated aging of harmful metal. Usually used for transparent rubber products, light-colored and bright-colored rubber products. The effect on curing properties of the compound is obviously less than that of MB, so it is not necessary to adjust the curing system for using this product. This product can be used as auxiliary sensitizer in Natural Latex foaming products. The foam structure is even and the effect is better than MB.

Package: 25kg plastic woven bag, paper with plastic film bag, kraft paper bag.

Storage: The product should be stored in the dry and cooling place with good ventilation, avoiding exposure of the packaged product to direct sunlight. The validity is 2years.

Technical Data Sheet (TDS) Version 2.0

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