

Technical Data Sheet



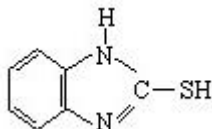
荣欣鑫橡胶助剂

RONGXIN XIN RUBBER ADDITIVES

Antioxidant MB (MBI)

Chemical Name: 2-Mercaptobenzimidazole

Structure:



Molecular Formula: C₇H₆N₂S

Molecular Weight: 105.16

CAS NO.: 583-39-1

Specification:

Item	Powder	Oiled powder	Granule
Appearance	White powder(granule)		
Initial M.P. °C ≥	290.0	290.0	290.0
Loss on drying % ≤	0.30	0.50	0.30
Ash % ≤	0.30	0.30	0.30
Residue on 150µm sieve % ≤	0.10	0.10	
Residue on 63µm sieve % ≤	0.50	0.50	
Additive %		0.1-2.0	
Granule Diameter mm			2.50

Properties: White powder. No smell but taste bitter. The density is 1.42. Soluble in alcohol, acetone, ethyl acetate, slightly soluble in petroleum ether, CH₂Cl₂, insoluble in CCl₄, benzene and water. Good stabilization storage ability. As second anti-degradant without poison

Application: A non-staining secondary antioxidant for natural rubber, CR, SBR, NBR and EPR etc. Especially effective against heat oxidation in combination with amine

Packaging: 25k; 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 2 years.

Technical Data Sheet (TDS) Version 2.0

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