



## MBT[M]-80

## 噻唑类促进剂

## Thiazole Accelerators



## Δ 成分 Composition

|                                     |       |
|-------------------------------------|-------|
| 2-巯基苯并噻唑<br>2-mercaptobenzothiazole | 80±1% |
| EPDM 橡胶<br>EPDM Rubber              | 20±1% |

## Δ 产品说明 Product Description

|                                                         |                               |
|---------------------------------------------------------|-------------------------------|
| 外观<br>Appearance                                        | 淡黄色颗粒<br>Light Yellow granule |
| 密度(g/cm <sup>3</sup> ):<br>Density(g/cm <sup>3</sup> ): | 1.28±0.04                     |
| 门尼粘度,ML(1+4)at50°C:<br>Mooney viscosity,ML(1+4)at50°C:  | 45±10                         |
| 过滤工艺(Mesh/pm)<br>Filtration process(Mesh/pm)            | 150 目/100um<br>150mesh/100um  |

## Δ 原料说明 Raw Material Description

| 项目<br>Item                                        | 性能指标<br>Specification |
|---------------------------------------------------|-----------------------|
| CAS NO                                            | 149-30-4              |
| 初熔点 ( 活性 MBT ) C≥<br>Initial M.P. °C(avtive MBT)≥ | 170.0                 |
| 灰分%,≤<br>Ash content%,≤                           | 0.30                  |
| 加热减量%≤<br>Loss on drying%≤                        | 0.30                  |
| 筛余物(100um)%,≤<br>Residue(100um)%,≤                | 0.10                  |

## Δ 应用 Application

1. 作为主要通用的酸性促进剂,广泛应用于 NR、IR、SBR、NBR、EPDM、IR 等合成橡胶产品中其硫化胶有良好的物理机械性能  
1. As the main universal acid accelerator, it is widely used in NR, IR, SBR, NBR, EPDM, IR and other synthetic rubber products. Its vulcanizates have good physical and mechanical properties.
2. 在天然橡胶和硫磺硫化合成橡胶中具有快速硫化作用,其硫化临界温度低(125°C),混炼时尤其胶料含有补强型碱性炉黑时易焦烧,适当加入防焦剂能改善其安全性  
2. It has rapid vulcanization in natural rubber and sulfur-vulcanized synthetic rubber. Its critical



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temperature for vulcanization is low (125 ° C). In particular, when the compound contains reinforced alkali furnace black, it is easy to scorch when mixing, and anti-scorching agent is properly added. Improves its safety.

3. 在无硫低硫硫化体系和氯丁橡胶中分别作为抗焦剂和硫化延迟剂;

3. In sulfur-free low-sulfur curing system and chloroprene rubber as anti-caustic agent and vulcanization retarder;

4. 与其它如噻唑类,秋兰姆类,二硫代氨基甲酸盐类,胍类,醛胺类以及碱性物质并用可获得更高的活性。

4. Higher activity can be obtained in combination with other substances such as thiazoles, thiurams, dithiocarbamates, quinones, aldehydes, and basic substances.

5. MBT-80GE 为预分散母粒,易称量、加工不飞扬,不泄露、味小,有利于员工健康;易分散、无损耗,确保硫化制品性能稳定。

5.MBT-80GE is a pre-dispersed masterbatch, easy weighing, processing does not fly, does not leak, taste is small, is conducive to the health of employees; easy to disperse, no loss, to ensure stable performance of the vulcanized products

6. 本品味苦不宜用于食品接触的橡胶制品中

6. This product is bitter and unfavorable for use in food contact rubber products

### ΔUsage

#### 用法

### ΔDosage :

#### 用量 :

### ΔPackage :

#### 包装 :

### ΔShelf time

#### 储存期限 :

需配合氧化锌和硬脂酸,在开炼机或密炼机(≤90°C)上加入。

Need to mix zinc oxide and stearic acid, add in open mill or internal mixer (≤90°C)

作一次促进剂时 1.00-2.50phr;作二次促进剂时 0.30-1.00phr

1.00-2.50phr for one accelerator and 0.30-1.00phr for secondary accelerator

25Kg/箱

25kg/Box

阴凉干燥条件下存储 12 个月

12 months in cool and dry condition

附注 : 可根据客户要求做不同含量,不同载体的颗粒或片状产品。如 MBT-80 GE, MBT-80 GN MBT 80GS 等

Note : According to customer requirements, different content, different carrier particles or sheet products.(Like MBT-80 GE, MBT-80 GN MBT 80GS,etc)