

ACTMIX ZMMBI-70GE F200

Antioxidant ZMMBI (ZMMB)

A
C
T
I
V
E

M
A
T
E
R
I
A
L



2-
Mercaptomethylbenzimidazole
C₁₆H₁₄N₄S₂Zn
M.W.: 391.83
CAS: 61617-00-3
EINECS: 262-872-0

PROPERTIES:

ZMMBI is synergistic agent in combination with other antioxidants. ZMMBI is non-staining antioxidant, similar performance with antioxidant MBZ. If used together with accelerator M & DM, has the inhibitory effect of the accelerated aging of harmful metals. Usually used for transparent rubber products, light and bright colored rubber products.

DOSAGE:

Usually 0.6-1.5phr, 1-2phr if used to improve heat-resistant products.

APPLICATIONS:

Various transparent, white and colored rubber products, fabric coating, especially heat-resistant products.

TYPICAL VALUES:

Melting point: 270.0°C
Purity: Min 97%
Ash content: Max 0.5%
63µm Sieve residue: Max 0.5%

M
A
S
T
E
R
B
A
T
C
H

PRODUCT	Active Content (%)	Appearance	Filtration (µm)	Binder	Sulfur Content (%)	Density (g/cm ³)
Actmix® ZMMBI-70GE F200	70	Grey Granules	200	EPDM/EVM	9.5	1.25

* Binder type can be customized. Except EPDM/EVM, others binders, such as NBR, SBR, AR, ECO also can be available for.

SAFETY&TOXICITY:

Please refer to related SDS.

PACKAGING&STORAGE:

Net weight 25kg/PE bags lined carton; Net weight 600 kg/pallet.
Shelf-life : 1 year in its original packaging
Stored in a dry and cool place.

Compared to traditional ZMMBI powders, Actmix®ZMMBI-70GE F200 allows:

- Dust free products with a complete filtration up to 100µm, avoid bitter taste from inhalation, health guard of operators.
- Effective guarantee of activity of ZMMBI-70 due to pre-dispersed masterbatch.
- Tack free products at room temperature, convenience and accuracy on ingredients.
- Lower Mooney viscosity at lower temperature (50°C), higher quality of dispersion.
- Impurity free, blocked filter free of extrusive products, scrap rate reduction and higher productivity thanks to filtration.
- Wider compatibility with other elastomers.

G: granule, P: plate, E: EPDM binder, N: NBR binder, S: SBR binder, A: ACM binder, EO: ECO binder, F200: filtration and micron number of filter

The information contained in this leaflet is based on tests carried out by our laboratories and data selected from references. Therefore it is not valid legally and does not signify any guarantee to customers of successful applications of the product according to their own formulas. However, our company will offer professional services in technology at utmost to facilitate customers to achieve expected purpose of product applications.

Actmix®ZMMBI-70GE F200

TECHNICAL DATA SHEET (TDS) version 1.4

Ningbo Actmix Rubber Chemicals Co.,Ltd.

TEL: +86-574-81880068 FAX: +86-574-88002102 email: actmix@actmix.cn http://www.actmix.cn