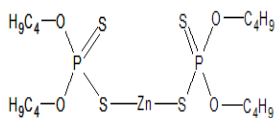


ACTMIX ZBPD-50GE F140

Accelerator ZBPD

A
C
T
I
V
E
M
A
T
E
R
I
A
L



Zinc o,o-dibutyl dithiophosphate

C₁₆H₃₆O₄P₂S₄Zn

M.W.: 548.07

CAS No.: 6990-43-8

EINECS No.: 230-257-6

PROPERTIES:

ZBPD is a special accelerator for EPDM containing sulfur, ZnO, thiazoles and thiurams accelerators. It can lead to high degree of cross-linking and non-blooming when dosage is up to maximum recommended amount. May not form harmful nitrosamines during vulcanizing process.

Dosage: Usually is 2-4 phr. If used in compound with large amount of fillers (carbon black, mineral fillers or processing oil), the best dosage of ZBPD-50GE can be up to approx. to 5 phr.

Recommend formula:

NR:

| | |
|---------|---------------|
| ZBPD-50 | 2.0 - 3.4 phr |
| TMTM-80 | 0.3 - 0.6 phr |
| MBTS-80 | 0.6 - 0.9 phr |
| S-80 | 0.3 - 0.6 phr |

EPDM:

| | |
|---------|---------------|
| ZBPD-50 | 2.0 - 3.4 phr |
| TMTD-80 | 0.3 - 1.0 phr |
| MBT-80 | 0.6 - 1.9 phr |
| S-80 | 1.2 - 3.2 phr |

M
A
S
T
E
R
B
A
T
C
H

| PRODUCT | Active Content (%) | Color | Filtration (μm) | Binder | Sulfur content | Density (g/cm ³) |
|-------------------------------|--------------------|-----------------------------|-----------------|----------|----------------|------------------------------|
| Actmix® ZBPD-50GE F140 | 50 | Milky-white semitransparent | 140 | EPDM/EVM | 10.7% | 1.18 |

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

SAFETY&TOXICITY:

Please refer to related MSDS.

PACKAGING&STORAGE:

Net weight 25kg/carton lined PE bag; Net weight 600 kg/pallet.

Stored in a dry and cool place. Shelf-life: 1 year in its original packaging

Compared to traditional ZBPD liquid, Actmix®ZBPD-50GE F500 allows:

Avoidance of smelly pungent odor of ZBPD liquids due to masterbatch with slight odor, production environment improved.

Effective guarantee of activity of ZBPD 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, F500: 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®ZBPD-50GE F500

TECHNICAL DATA SHEET (TDS) version 1.3

Ningbo Actmix Polymer Co.,Ltd.

TEL: +86-574-87468726 FAX: +86-574-88002102 email: dychem@actmix.cn Http://www.actmix.cn