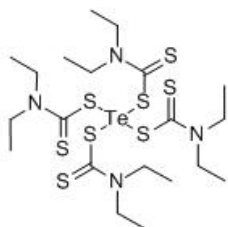


ACTMIX TDEC-75GE F140

Accelerator TDEC

ACTIVE MATERIAL



Tellurium
diethyldithiocarbamate
C₂₀H₄₀N₄S₈Te
M.W.: 720.68
CAS: 20941-65-5
EINECS: 244-121-9

PROPERTIES:

TDEC combined with thiazoles, thurams and dithiocarbamates accelerators can accelerate sulfuration of EPDM and IIR. A little TDEC can shorten the sulfuration time. Moreover, it is particularly suitable for high oil content soft rubber compounds such as low-hardness solid EPDM seals or spongy seals due to reduction of sulfuration rate by a great deal of softening oil.

DOSAGE:

Max 0.5phr to avoid blooming.

APPLICATIONS:

Vehicle and building seals, vehicle hoses, steamproof & acidproof hoses, cable jacket, insulated products.

TYPICAL VALUES:

Initial melting point: 108°C
Purity: Min 98%
Tellurium content: 16.5-19.0%
Heating loss content: Max 0.5%
63µm sieve residue: Max 0.5%

MASTERBATCH

| PRODUCT | Active Content (%) | Appearance | Filtration (µm) | Binder | Sulfur Content (%) | Density (g/cm ³) |
|-------------------------------|--------------------|------------------------|-----------------|----------|--------------------|------------------------------|
| Actmix® TDEC-75GE F140 | 75 | Orange-yellow Granules | 140 | EPDM/EVM | 26.0 | 1.23 |

* 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 TDEC powders, Actmix®TDEC-75GE F140 allows:

- Dust free products with a complete filtration up to 100µm, no skin sensitization, health guard of operators.
- Effective guarantee of activity of TDEC 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, F140: 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.