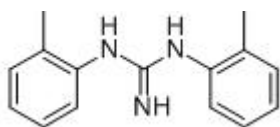


ACTMIX DOTG-75GE F140

Accelerator DOTG

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Di-o-tolylguanidine
C₁₅H₁₇N₃
M.W.: 239.32
CAS: 97-39-2
EINECS: 202-577-6

PROPERTIES:

DOTG can lead to a very slow start of vulcanization and relatively slow vulcanization rate. Combination with effective antioxidants is necessary due to serious vulcanizing reversion when DOTG is used alone. Combination with thiols, sulfenamides, thiurams and dithiocarbamates can lead to synergistic and secondary accelerating effects: improvement of cross-linking density and vulcanization rate, excellent mechanical properties and anti-ageing performance of vulcanizates. Without blooming pheno-menon in the vulcanizates

DOSAGE:

For NR: 0.8-1.2phr with 2.5-4phr sulfur;

For SBR: 0.1-0.4phr with 1-1.5 thiols and 1.5-2.5phr sulfur;

For NBR: 0.05-0.4phr with 0.8-1.5 sulfenamides and 1.5-2.4 sulfur.

APPLICATIONS:

Rubber industrial products with larger cross sections and thick walls

TYPICAL VALUES:

Melting point: 167°C

Purity: Min 96%

Ash content: Max 0.4%

Volatile content: Max 0.5%

63µm sieve residue: Max 0.5%

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PRODUCT	Active Content (%)	Appearance	Filtration (µm)	Binder	Nitrogen Content (%)	Density (g/cm ³)
Actmix® DOTG-75GE F140	75	Grey-white to Beige Granules	140	EPDM/EVM	12.5	1.05

* Binder type can be customized. Except EPDM/EVM, others binders, such as ACM, AEM also can be available for.

SAFETY&TOXICITY:

Please refer to related SDS.

PACKAGING&STORAGE:

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

Shelf-life: 1 year in its original packaging

Stored in a dry and cool place.

Compared to traditional DOTG powders, Actmix®DOTG-75GE F140 allows:

Dust free products with a complete filtration up to 100µm, no skin sensitization, health guard of operators.

Effective guarantee of stability and activity of DOTG 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.

Actmix®DOTG-75GE F140

TECHNICAL DATA SHEET(TDS)version 1.3

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