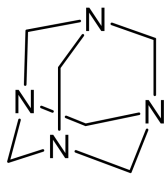


ACTMIX HMT-70PR

Accelerator H (HMT or HEXA)

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Hexamethylenetetramine

C₆H₁₂N₄

M.W.: 140.19

CAS: 100-97-0

EINECS: 202-905-8

PROPERTIES:

HEXA is a weak alkaline accelerator for slow vulcanization. Vulcanization reaction started as soon as HEXA was added in, with a slow rate and a high degree of cross-linking of the vulcanizate. Thiols, sulfenamides, thiurams and dithiocarbamates are activators and secondary accelerators to HEXA contained rubber compounds. As a formaldehyde donor, it is especially suitable to adhesion between rubber and metal or steel cord with resorcinol. It can not lead to blooming appearance normally.

DOSAGE:

0.6-0.8phr with 3-4phr sulfur as a main accelerator of thick-walled products; 1.3-1.6phr with 2.5-3.2phr Actmix®Resorcinol-80 in adhesion system as a

formaldehyde donor.

APPLICATIONS:

Slow vulcanized rubber compounds, thick-walled products, rollers, light-colored or transparent products.

TYPICAL VALUES:

Melting point: Sublimated when heated.

Purity: Min 98.5%

Ash content: Max 0.08%

Volatile content: Max 0.3%

63µm sieve residue: Max 0.3%

M
A
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PRODUCT

Active
Content (%)

Appearance

Filtration
(µm)

Binder

Nitrogen Content
(%)

Density
(g/cm³)

**Actmix
HMT-70PR**

70

White Slab

-

IR

-

-

* 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 600 kg/pallet.

Shelf-life: 1 year in its original packaging

Stored in a dry and cool place.

Compared to traditional HMT powders, Actmix HMT-70PR allows:

Dust free products with a complete filtration up to 100µm, environment improver, health guard of operators.

Lower water absorption and effective guarantee of stability and activity of HMT due to pre-dispersed masterbatch.

Tack free products at room temperature (50°C), convenience and accuracy on ingredients.

Lower Mooney viscosity at lower temperature, higher quality of dispersion, no appearance of white-spot.

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 HMT-70PR

TECHNICAL DATA SHEET (TDS) version 1.4

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