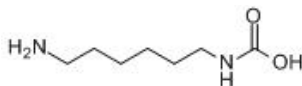


# ACTMIX HMDC-70GA F200

## Vulcanizator 1#

ACTIVE MATERIAL



Hexamethylene  
diaminecarbamate  
 $C_7H_{16}N_2O_2$   
M.W.: 160.21  
CAS No.: 143-06-6  
EINECS No.: 205-581-6

### PROPERTIES:

Vulcanizator 1# mainly used as vulcanizing agent for fluorine, ethylene acrylate and polyurethane rubber, also can be used as modifier for synthetic rubber, as vulcanization activator natural for butyle, isoprene or styrene-butadiene rubber. It can keep the original color of rubber, also can be as crossing agent for AEM (VAMAC). 1# is white granules that AEM as binder, can improve the dispersibility in AEM compounds with stable product's quality. AEM recommend curing system is HMDC (Hexamethylene diamine carbamate) combine with DOTG (Di-o-tolylguanidine) or DPG (diphenylguanidine)

### DOSAGE:

2-4phr usually

### TYPICAL VALUES:

Melting point: Min 150°C  
Purity: Min 99%  
Ash content: Max 0.3 %  
Heat loss: Max 0.5 %  
63µm sieve residue: Max 0.3 %

MASTERBATCH

PRODUCT	Active Content (%)	Appearance	Filtration (µm)	Binder	Nitrogen Content (%)	Density (g/cm <sup>3</sup> )
<b>Actmix® HMDC-70GA F200</b>	70	White to Light yellow Granules	200	AEM	12.0	1.10
* Binder type can be customized. Except AEM, others binders, such as NBR, SBR, EPDM, ECO also can be available for.						
<b>SAFETY&amp;TOXICITY:</b> Please refer to related SDS.						
<b>PACKAGING&amp;STORAGE:</b> Net weight 25kg/carton lined PE bag; Net weight 600 kg/pallet. Shelf-life: 1 year in its original packaging Stored in a dry and cool place.						

### Compared to traditional HMDC powder, Actmix®HMDC-70GA F200 allows:

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

Effective guarantee of activity of HMDC-70 due to pre-dispersed masterbatch. Very stable long-term placement, will not cause decomposition reaction by the external conditions affecting

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.