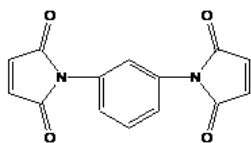


ACTMIX PDM-75GE F140

Vulcanizator PDM (HVA-2)

ACTIVE MATERIAL



N,N'-m-Phenylenebismaleimide

$C_{14}H_8N_2O_4$

M.W.: 268.22

CAS No.: 3006-93-7

EINECS No.:221-112-8

PROPERTIES:

PDM combined with Sulfur in natural rubber, can prevent reversion, improve heat resistance, lower heating rubber. It can be as vulcanizing agent, also can be as peroxide additives agent. PDM is used as vulcanizator or auxilliary vulcanizator for various kinds of synthetic rubber, can significantly improve the heat-resistance and cross-linking. PDM can significantly reduce rubber compression, improve the metal rubber and cord adhesion strength, prevent rubber scorching in the process. PDM not only applicable to regular rubber parts, also be applied to large tires and special big specification rubber parts. PDM is a sulfurless vulcanizing agent, can be used for rubber cable and substitute of thiazole, thiuram all sulfur vulcanizing agent, it can solves the problem that copper wires and copper electric appliances exposure to sulfur vulcanizing agent then generated black copper sulfide pollution problems.

Dosage:

0.5-1.0phr as a scorch retarders; 2-3phr if as a vulcanizator; 1.5phr as to improve compression deformation; 0.5-5.0phr as for improving bonding strength

Typical values:

Melting point: Min 195°C
Purity: Min 97%
Ash content: Max 0.5 %
Heating loss content: Max 0.5 %
150 μ m sieve residue: Max 0.3 %

MASTERBATCH

Product	Active Content %	Appearance	Filtration (μ m)	Binder	Nitrogen Content (%)	Density (g/cm ³)
Actmix® PDM-75GE F140	75	Dark-yellow Granules	140	EPDM/EVM	7.5	1.25

*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/carton lined PE bag; Net weight 600kgs.

Shelf-life: 1 year in its original packaging.

Stored in a dry and cool place.

Compared to traditional HVA-2 powder, Actmix® PDM-75GE F140 allow:

Dust free products with a complete filtration up to 63 μ m, no skin sensitization, health guard of operators.

Effective guarantee of stability and activity of PDM-75 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, 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, 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®PDM-75GE F140

TECHNICAL DATA SHEET (TDS) version 1.3

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