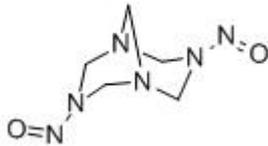


# ACTMIX DPT/PE

## Foaming agent DPT(H)

ACTIVE MATERIAL



N,N-dinitroso  
pentamethylene tetramine  
C<sub>5</sub>H<sub>10</sub>N<sub>6</sub>O<sub>2</sub>  
M.W.:186.17  
CAS No.: 101-25-7

**PROPERTIES:**

DPT widely used in rubber foam blowing agents, such as natural rubber, SBR, NR, no color changed, no pollution. Meanwhile, DPT also widely application in plasticized PVC molding and blow molding. Usually add some additives into foaming process, such as surface-treated urea, salicylic acid, phthalic acid, polyhydric alcohol, etc. to lower the decomposition temperature of DPT and formed the gas within 120-190 °C. DPT will release much heat during decomposition, please careful handling for thick products.

**DOSAGE:** 1.0-10.0 phr usually.

**APPLICATION:**All kinds of foam rubber parts.

**TYPICAL VALUES:**

Decomposition temperature :  
Min 167°C  
Purity: Min 98%  
Ash content: Max 0.5%  
Heat loss: Max 0.8%  
63µm sieve residue: Max 0.5%

MASTERBATCH

Product	Active Content(%)	Appearance	Filtration (µm)	Binder	Gas Evolution (ml/g)	Density (g/cm <sup>3</sup> )
<b>Actmix® DPT/PE</b>	40	Light-yellow Plate	-	EPDM/EVM	88	1.25

\*Binder type can be customized.Except for 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 600kg per pallet.  
Shelf-life : 1 year in its original packaging  
Stored in a dry and cool place.

**Compared to traditional DPT powder, Actmix®DPT/PE allows:**

- Dust free products with 10-12µm mean size grains of DPT, production environment improved.
- Lower decomposition temperature and effective guarantee of activity of DPT due to pre-dispersed masterbatch and special formula.
- Tack free products at room temperature, convenience and accuracy on ingredients.
- Lower Mooney viscosity at lower temperature (50°C), higher quality of dispersion, homogeneous apertures of foam products.
- Wider compatibility with other elastomers.

G: granule, P: plate, E: EPDM binder, N: NBR binder, S: SBR binder, A: ACM binder, EO: ECO binder.

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.