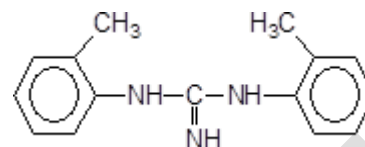


DOTG masterbatch (Guanidine accelerator)

- DIORTHOTOLYL GUANIDINE
- Molecular Weight : 239
- CAS : 97-39-2
- EINECS : 202-577-6

C₁₅H₁₇N₃



PRODUCT	Active Content (%)	Colour N for Natural P for Pigment	Filtration (µm)	Mooney ML (1+4) 80°C Typical value	Density Typical value
DOTG 75 GA F140	75	Dark grey* (P)	140	50	1.1

GA: Granules co-polymer of acetate/acrylate & polyethylene

* Depending on natural variation of DOTG

ACTIVE MATERIAL TYPICAL VALUES

- Melting point : 175 °C
- Purity : 96%

REMARKS

Staining

PROPERTIES

As a primary accelerator, it is very slow and therefore rarely used alone.

Mixland+® DOTG masterbatch is an excellent secondary accelerator or booster for thiazoles and sulfenamides.

It is often used with TMTM in CR. It gives faster cure rates and better mechanical properties in general purpose elastomers.

It provides vulcanisates with high modulus but poor heat-ageing resistance.

It is an activator for accelerator HDC in ACM compounds. It gives great compression set results.

It is non-staining and suitable for NR and SBR.

It provides rapid, uniform and complete dispersions. It is slightly less scorchy and less staining than DPG.

Recommended for dark coloured compounds, thanks to low orthotoluidine content in DOTG raw material, Mixland+® DOTG masterbatch provides very low orthotoluidine emission, reducing PPE (Personal Protective Equipment).

APPLICATIONS

Footwear, tires, tubes, mechanical goods, moulded goods, hard rubber products, etc...

PACKAGING & STORAGE

- Cardboard box weight : 20 kg net
 - Standard CP3 pallet : 480 kg - Do not pile more than 2 pallets height
 - Shelf-life : 2 years in its original packaging
- Store in a dry and cool place and away from direct sources of heat or sunlight.

SAFETY & TOXICITY

For detailed information, please refer to our Material Safety Data Sheet.

NITROSAMINE FREE

MIXLAND+® MASTERBATCH ALLOWS:

- Dust free products with a high level of filtration up to 100µ
- Tack free products at room temperature
- Lower Mooney viscosity, improving quality of dispersion
- Scrap rate reduction thanks to filtration
- Wider compatibility with elastomers

The information contained in this leaflet is based on tests carried out by our laboratories and data selected from the literature but shall in no event be held to constitute or imply any warranty or undertaking. No liability whatsoever can be accepted with regard to the handling, processing or use of the products concerned, which must in all cases be employed with regard to all relevant regulations and/or legislation in the country or countries concerned.

Issued 8 dated March 2020

TECHNICAL DATA SHEET

MLPC International

209, Avenue Charles Despiau – 40370 Rion des Landes - France
Tel.: +33 (0)5 58 57 02 78 – Contact : commercial@mlpc-intl.com
<http://www.mlpc-intl.com>

MLPC
INTERNATIONAL
ARKEMA GROUP