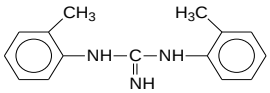
MLPC INTERNATIONAL ARKEMA GROUP

MIXLAND+®

DOTG MASTERBATCH

Nitrosamine-free guanidine accelerator

ACTIVE MATERIAL



Diorthotolyl Guanidine

$C_{15}H_{17}N_3$

M.W.: 239
CAS: 97-39-2
EINECS: 202-577-6

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.

Mixland+® DOTG masterbatch 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.

Mixland+® DOTG masterbatch is an activator for accelerator HDC in ACM compounds. It gives very good compression set.

Mixland+® DOTG masterbatch is non-staining and suitable for NR and SBR.

Mixland+® DOTG masterbatch provides rapid, uniform and complete dispersions. It is slightly less scorchy and rather more active than Ekaland™ DOTG.

APPLICATIONS:

Recommended for dark coloured compounds, footwear, tyres, tubes, mechanical goods, moulded goods, hard rubber products, etc.

TYPICAL VALUES:

Melting point: 175°C
Purity: 96.0%
Specific gravity: 1.1

REMARKS:

Non-staining

MASTERBATCH

PRODUCT	Active Content (%)	Colour N for Natural P for Pigment	Filtration (microns)	Binder	Mooney ML (1+4) 50° Typical value	Density Typical Value	Shore Hardness
DOTG 75 GA F140	75	Dark grey (P)	140	E/AA	35	1.11	50

GA: Pellets on ethylene-alkyl-acrylate binder

SAFETY & TOXICITY:

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

PACKAGING & STORAGE:

Cardboard box weight : 25 kg net.-CP3 pallet : 600 kg net.
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.

Compared to a traditional EVA/EP(D)M binder, MIXLAND+® masterbatch allows:

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

MLPC International - Group ARKEMA
209, avenue Charles Despiau - 40370 Rion des Landes
Tel : +33 (0)5 58 57 02 78 - Contact : commercial@mlpc-intl.com
www.mlpc-intl.com