

**TPU MB****Issue No. 01****Revision No. 00****Issue Date: 01 APRIL 2012****Revision Date: N/A**

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**Product Name : bluthane TPU Masterbatch****Colour : Black / White / Blue / Red/ Pink/ Yellow/ Green**

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**PROPERTIES**

Appearance: Spherical or cylindrical pellets

Melt Flow Index: ( 200 C / 10 Kg )

30 - 70 ( gms / 10 min.)

Density: 1.36 +/- 0.5 gms / cc

Thermal Stability: 230 Deg C max

**COMPOSITION**

The compound is a colour concentrate comprising the black pigment and the polymer.

Contains the following components in major proportions:

1. Thermoplastic Polyurethane ( TPU ) as the Polymer matrix ( 70- 80 % by w/w )
2. Pigment as carbon black / colour pigments ( 20- 30 % by w/w )
3. Processing aids / lubricant additives ( 10 % by w/w )

**APPLICATION**

Used as a colour concentrate additive( masterbatch) during processing of Thermoplastic Polyurethane ( TPU ) to produce coloured products by Injection Molding / Extrusion / Blow molding.

**RECOMMENDED DOSAGE**

2- 5 % on weight basis based on the TPU resin granules.

**PRECAUTIONS**The masterbatch is based on TPU polymer, hence thorough drying conditions should also be adopted for the MB material ( 90 C / 3 hrs). Drying of the MB should be done separately and dry blending should be done just before hopper loading.

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