



# Ddev Plastiks Industries Limited

## TECHNICAL DATA SHEET

### KI – UV MB: Rodent, Termite Grade Master batch

#### Description

**KI – UV MB** is PVC Rodent Grade masterbatch for applications in a wide variety of cables. **Special additives have been added to make compound UV MB.**

**Colour:** Pale Granules

#### Typical Properties:

Property	Unit	Test Method	Typical Value
Sp. Gravity @27 <sup>o</sup> C		ASTM - D – 792	1.09 ± 0.03
Hardness @27 <sup>o</sup> C	Shore A	ASTM - D 2240	78 ± 3
Thermal Stability@200 <sup>o</sup> C	Minutes	IS : 10810 (60)	≥ 50
Tensile Strength (TS) @27 <sup>o</sup> C	MPa	IS : 10810 (7)	≥ 13.0
Elongation at Break (E.B) @27 <sup>o</sup> C	%	IS : 10810 (7)	≥ 250
Volume Resistivity @27 <sup>o</sup> C	Ohm - cm	IS : 3396 / 79	≥ 1x10 <sup>12</sup>
Dosage			1% - 3%

#### Processing:

**KI – UV MB** can be mixed with any soft PVC compound in manually or high-speed mixer, processed on any good extruder designed for PVC compound extrusion at temperature in the range of 120<sup>o</sup>C- 180<sup>o</sup>C. This is the guideline temperature range, actual temperature should be determined by the user depending upon the other processing variables. The screw must have a good homogenizing capacity. Preheating of granules at 70+/-5<sup>o</sup>C is always advisable for better processing.

#### Packaging:

**KI – UV MB** is available in the form of free-flowing pellets and supplied in 25 Kg woven sack bags with sealed double layer PE liner to prevent moisture or in 1000kg jumbo bags.

#### Storage and Shelf Life:

Material should be store in moisture free cool & dry place and should be consume within three months.

#### Safety:

**KI – UV MB** is not classified as a dangerous product group.

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. These are all the typical values only and subject to change without prior intimation. The product is sold upon condition that purchaser should make their own tests to determine the suitability of such product of their particular purpose and purchasers assume all risks and liability for the results of the use of the product.

For more information pl contact at;

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