



Ddev Plastiks Industries Limited

TECHNICAL DATA SHEET

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

Description

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

Colour: Pale Granules

Typical Properties:

Property	Unit	Test Method	Typical Value
Sp. Gravity @27 ⁰ C		ASTM - D – 792	1.420 ± 0.03
Hardness @27 ⁰ C	Shore A	ASTM - D 2240	90 ± 3
Thermal Stability@200 ⁰ C	Minutes	IS : 10810 (60)	≥ 50
Tensile Strength (TS) @27 ⁰ C	MPa	IS : 10810 (7)	≥ 10.0
Elongation at Break (E.B) @27 ⁰ C	%	IS : 10810 (7)	≥ 150
Volume Resistivity @27 ⁰ C	Ohm - cm	IS : 3396 / 79	≥ 1x10 ¹²
Dosage			1% - 3%
Physical form			Solid Plastic Granule
Odour			Strong Bitter Odour
Taste			Bitter Taste
Solubility in water			Insoluble

* Test specimen made after milling the granules and then in compression mould at 160 °C for 10 min with 200kg/cm² hydraulic pressure

Above Values are Typical value of Compound and customer need to check before accepting the TDS.

Processing:

KI – UV ARAT 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 120⁰C- 180⁰C. 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+/-5⁰C is always advisable for better processing.

Packaging:

KI – UV ARAT 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 ARAT 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.

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