

TECHNICAL DATA SHEET

Product Description

UV 9000 is a Polyethylene (PE) based UV masterbatch. It is specially designed for LDPE, LLDPE, HDPE and PP in Injection molding, Extrusion and Blow molding application, requiring excellent dispersion and UV stability.

Addition Level

The addition level of masterbatch added depends on the performance requirements of the final application. Typically addition rates vary from 1% to 3% masterbatch.

Masterbatch Information

1. Product Code UV 9000
2. Colour UV
3. Carrier Polymer PE
4. Appearance Cylindrical Natural Granules

Physical Properties:

| Properties | Unit | Test Method | Specification |
|---|-----------|-------------|----------------|
| 1. Light Fastness | -- | -- | NOT APPLICABLE |
| 2. Heat Stability | °C | -- | 260°C |
| 3. Migration | -- | -- | NOT APPLICABLE |
| 4. Moisture Content (Temp120°C, 10Min.) | % | ASTM D6980 | < 0.20 |
| 5. Bulk Density | Gm/cc | ASTM D1895 | 0.70 ± 0.1 |
| 6. Dispersion | -- | -- | EXCELLENT |
| 7. Melt Flow Index at 190°C, 2.16 Kg | Gm/10 min | ASTM D1238 | 1 TO 10 |
| 8. UV Content | % | -- | 10 ± 1 |

Regulatory

UV Masterbatch UV 9000 complies with Food Approval directives 21 CFR US FDA.

Packaging & Storage

UV Masterbatch UV 9000 is supplied in regular pellet form packed in 25 kg bags. It should be stored in dry place.

Recommended storage life is 1 year provided it is stored as directed.

Note: Above Report is made in identical condition. Values may be different when process on different machines and/or different processing condition, hence cannot be compare with any other same colour or product.

TECHNICAL SERVICES

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