



Enester EM-180-UF0-J1-900

ENESTER-E

Product Description : Unfilled, Black Colour, General Purpose Polybutylene Terephthalate Compound

Key Features : ENESTER EM-180-UF0-J1-900 is heat stabilized and lubricated PBT compound with excellent strength and stiffness properties

Process Method : Injection moulding

Uses : Recommended for general applications

Revision Date : 01.06.2021

| | Value | Unit | Standard |
|---------------------------------------|-------|----------|--------------|
| Physical | | | |
| Density | 1,32 | gr / cm3 | ISO 1183 1-A |
| Mechanical | | | |
| Tensile Stress at Break | 50 | MPa | ISO 527-1 |
| Elongation at Break | 15 | % | ISO 527-1 |
| Tensile Modulus | 2100 | MPa | ISO 527-1 |
| Izod Impact Strength (Notched) (23°C) | 5 | kJ/m2 | ISO 180/1A |
| Charpy Impact Strength (Notched) | 6 | kJ/m2 | ISO 179/1A |
| Flexural Modulus | 2500 | Mpa | ISO 178 |
| Thermal | | | |
| HDT (0.45 Mpa) | 160 | °C | ISO 75B |
| HDT (1.8 Mpa) | 60 | °C | ISO 75A |
| Vicat Softening Point (120°C/10N) | 175 | °C | ISO 306 |
| Flammability | | | |
| Flammability (1,6 mm) | HB | * | UL 94 |
| Flammability (3,2 mm) | HB | * | UL 94 |

Drying Condition

Drying Time(hr) 2-4
 Drying Temperature(°C) 120-140



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Molding Condition (°C)

| | |
|-----------------------|---------|
| 1st Zone (hopper)(°C) | 225-235 |
| 2nd Zone(°C) | 230-240 |
| 3rd Zone(°C) | 235-245 |
| Nozzle(°C) | 235-245 |
| Mold Temperature(°C) | 40-80 |

Important Notice;

The above results are obtained from the tests conducted in Ravago Petrokimya laboratories on injection molded ISO samples and cannot be used directly to determine end-use or design specification. Datasheet values represent a statistical average of product properties and they may be subject to change as new information becomes available. Customers and other users should make their own independent determination that the product is suitable for the intended use. Ravago Petrokimya accepts no responsibility for results obtained by the application of this information and disclaims all warranties that might arise in connection with this information.