# Enester ECO® EN-150-GR5-J1-900

## PBT Industrial Quality Compound

| | |
|---|---|
| **Product Description :** | 30% Glass Fiber Reinforced, 50% Recycled Content, Black Color, Polybutylene Terephthalate Compound |
| **Key Features :** | ENESTER ECO EN-150-GR5-J1-900 is a heat stabilized PBT compound with good strength and stiffness properties |
| **Process Method :** | Injection Moulding |
| **Uses :** | Recommended for general applications and purposes |
| **Revision Date :** | 01.01.2024 |

| | Value | Unit | Standard |
|---|---|---|---|
| **Physical** | | | |
| Density | 1.52 | gr / cm3 | ISO 1183 1-A |
| **Mechanical** | | | |
| Tensile Stress at Break | 120 | MPa | ISO 527-1 |
| Elongation at Break | 2 | % | ISO 527-1 |
| Tensile Modulus | 9350 | MPa | ISO 527-1 |
| Izod Impact Strength (Notched) (23°C) | 7 | kj/m2 | ISO 180/1A |
| Charpy Impact Strength (Notched) | 7 | kj/m2 | ISO 179/1A |
| Izod Impact Strength (Unnotched) | 38 | kj/m2 | ISO 180/1A |
| Charpy Impact Strength (Unnotched) | 45 | kj/m2 | ISO 179/1U |
| **Thermal** | | | |
| HDT (0.45 Mpa) | 220 | °C | ISO 75B |
| HDT (1.8 Mpa) | 200 | °C | ISO 75A |
| Vicat Softening Point (120°C/h & 10 N) | 216 | °C | ISO 306 Method A120 |
| **Flammability** | | | |
| Flammability (1,6 mm) | HB | * | UL 94 |
| Flammability ( 3,2 mm ) | HB | * | UL 94 |

**Drying Condition**

Data Sheet

# Enester ECO® EN-150-GR5-J1-900

## PBT Industrial Quality Compound

| | |
|---|---|
| Drying Time(hr) | 2-4 |
| Drying Temperature(°C) | 120-140 |
| **Molding Condition (°C)** | |
| 1st Zone (hopper)(°C) | 230-245 |
| 2nd Zone(°C) | 235-250 |
| 3rd Zone(°C) | 240-260 |
| Nozzle(°C) | 240-260 |
| 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.