Enester ECO® EN-150-GR1-J1-900

PBT Industrial Quality Compound

Data Sheet

Product Description :	10% Glass Fibre Reinforced, 50% Recycled Content, Black Color, Polybutylene Terephthalate Compound
Key Features :	ENESTER ECO EN-150-GR1-J1-900 is 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	1.38	gr / cm3	ISO 1183 1-A
Mechanical			
Tensile Stress at Break	70	MPa	ISO 527-1
Elongation at Break	3	%	ISO 527-1
Tensile Modulus	3500	MPa	ISO 527-1
Izod Impact Strength (Notched) (23°C)	3	kj/m2	ISO 180/1A
Charpy Impact Strength (Notched)	3	kj/m2	ISO 179/1A
Izod Impact Strength (Unnotched)	13	kj/m2	ISO 180/1A
Charpy Impact Strength (Unnotched)	15	kj/m2	ISO 179/1U
Thermal			
HDT (0.45 Mpa)	160	°C	ISO 75B
HDT (1.8 Mpa)	180	°C	ISO 75A
Vicat Softening Point (120°C/h & 10 N)	200	°C	ISO 306 Method A120
Flammability			
Flammability (1,6 mm)	HB	*	UL 94
Flammability (3,2 mm)	HB	*	UL 94

Drying Condition

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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.

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