



ENESTER EM-451-GR5-J1-000

ENESTER-E

Product Description :	30% Glass Fiber Reinforced, Polybutylene Terephthalate Compound
Key Features :	ENESTER EM-451-GR5-J1-000 is heat stabilized PBT compound with excellent toughness and stiffness properties
Process Method :	Injection moulding
Uses :	Recommended for general applications & purposes.
Revision Date :	01.09.2021

	Value	Unit	Standard
Physical			
Density	1,47	gr / cm3	ISO 1183 1-A
Mechanical			
Tensile Stress at Break	105	MPa	ISO 527-1
Elongation at Break	4	%	ISO 527-1
Tensile Modulus	8500	MPa	ISO 527-1
Izod Impact Strength (Notched) (23°C)	15	kJ/m2	ISO 180/1A
Charpy Impact Strength (Notched)	16	kJ/m2	ISO 179/1A
Izod Impact Strength (Unnotched)	55	kJ/m2	ISO 180/1A
Charpy Impact Strength (Unnotched)	65	kJ/m2	ISO 179/1U
Thermal			
Ash Content (600 °C)	30	%	ISO 3451-1
Drying Condition			
Drying Time(hr)	2-4		
Drying Temperature(°C)	120-140		
Molding Condition (°C)			
1st Zone (hopper)(°C)	230-245		
2nd Zone(°C)	235-250		



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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.