



Enester EA-180-GR5-T2-900

ENESTER-E

Product Description :	30% Glass Fibre Reinforced, Black Color, Polybutylene Terephthalate and ASA Compound
Key Features :	ENESTER EA-180-GR5-T2-900 is heat stabilized PBT/ASA compound with good surface and low warpage properties
Process Method :	Injection moulding
Uses :	Recommended for automotive applications

	Value	Unit	Standard
Physical			
Density	1,45	gr / cm3	ISO 1183 1-A
Mechanical			
Tensile Stress at Break	125	MPa	ISO 527-1
Yield Strength	127	MPa	ISO 527-1
Elongation at Yield	2,85	%	ISO 527-1
Elongation at Break	2,9	%	ISO 527-1
Tensile Modulus	9600	MPa	ISO 527-1
Izod Impact Strength (Notched) (23°C)	10 (PB)	kJ/m2	ISO 180/1A
Charpy Impact Strength (Notched)	9	kJ/m2	ISO 179/1A
Flexural Modulus	8500	Mpa	ISO 178
Izod Impact Strength (Unnotched)	45	kJ/m2	ISO 180/1A
Charpy Impact Strength (Unnotched)	60	kJ/m2	ISO 179/1U
Thermal			
HDT (0.45 Mpa)	212	°C	ISO 75B
HDT (1.8 Mpa)	195	°C	ISO 75A
Flammability			
Flammability (1,6 mm)	HB	*	UL 94
Flammability (3,2 mm)	HB	*	UL 94



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Flammability (0,8 mm)	HB	*	UL 94
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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
3rd Zone(°C)	240-260
Nozzle(°C)	240-260
Mold Temperature(°C)	40-80