



**Enester EA-180-GR5-T2-900**

**ENESTER-E**

<b>Product Description :</b>	30% Glass Fibre Reinforced, Black Color, Polybutylene Terephthalate and ASA Compound
<b>Key Features :</b>	ENESTER EA-180-GR5-T2-900 is heat stabilized PBT/ASA compound with good surface and low warpage properties
<b>Process Method :</b>	Injection moulding
<b>Uses :</b>	Recommended for automotive applications
<b>Revision Date :</b>	01.01.2024

	Value	Unit	Standard
<b>Physical</b>			
Density	1,45	gr / cm3	ISO 1183 1-A
<b>Mechanical</b>			
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
<b>Thermal</b>			
HDT (0.45 Mpa)	212	°C	ISO 75B
HDT (1.8 Mpa)	195	°C	ISO 75A
<b>Flammability</b>			
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

**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

**Important Notice;**

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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.