

Technical Data Sheet

Hostacom EBG 2145T BLACK



Polypropylene Compounds

Product Description

Hostacom EBG 2145T BLACK is a 20% glass fiber reinforced PP (coupled).

It is designed for applications requiring a high level of long term heat ageing.

The use of the new "Advanced Copo PP" resin provides a significantly higher mechanical durability under load at elevated temperatures due to much lower material deformation (creep) compared to existing PP Compounds.

The product is available as black colored, pellet form.

This grade is not intended for medical, pharmaceutical, food and drinking water applications.

Application Automotive Parts

Market Automotive

Processing Method Injection Molding

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/5.0 kg)	2.5	g/10 min	ISO 1133-1
Melt Volume Flow Rate, (230 °C/5.0 kg)	3	cm ³ /10 min	ISO 1133-1
Density, (23 °C)	1.04	g/cm ³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23 °C, Tech. A)	4400	MPa	ISO 178/A1
Flexural Strength, (23 °C, Tech. A)	95	MPa	ISO 178/A1
Tensile Modulus, (23 °C)	4000	MPa	ISO 527-1, -2
Tensile Stress at Break, (23 °C)	60	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	5	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	10	kJ/m ²	ISO 179-1/1eA
(-30 °C)	6.5	kJ/m ²	ISO 179-1/1eA
Charpy Impact Strength - Unnotched, (23 °C)	40	kJ/m ²	ISO 179-1/1eU
Thermal			
Vicat Softening Temperature, (B50)	120	°C	ISO 306
Deflection Temperature Under Load, (1.80 MPa, Unannealed)	120	°C	ISO 75A-1, -2