

Technical Data Sheet

Hostacom HBG H02 BLACK



Polypropylene Compounds

Product Description

Hostacom HBG H02 BLACK is a 20% glass fiber reinforced PP homopolymer, with very low melt flow rate, low creep under load at elevated temperatures, excellent hot water resistance and high dimensional stability. Please contact Basell for shrinkage recommendations. This grade is delivered in BLACK color version. Dry material before processing.

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

Application	Underhood
Market	Automotive
Processing Method	Injection Molding

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/5.0 kg)	0.87	g/10 min	ISO 1133-1
Melt Volume Flow Rate, (230 °C/5.0 kg)	0.6	cm ³ /10 min	ISO 1133-1
Density, (23 °C)	1.04	g/cm ³	ISO 1183-1/A
Mechanical			
Tensile Modulus, (23 °C)	4500	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	65	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	4	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C)	12	kJ/m ²	ISO 179-1/1eA
Charpy Impact Strength - Unnotched, (23 °C)	45	kJ/m ²	ISO 179-1/1eU
Thermal			
Vicat Softening Temperature, (B50)	120	°C	ISO 306
Deflection Temperature Under Load, (1.80 MPa, Unannealed)	112	°C	ISO 75A-1, -2