

Technical Data Sheet

Hostacom HBG H01



Polypropylene Compounds

Product Description

Hostacom HBG H01 is a 10% glass fiber reinforced PP homopolymer, with low flowability and high LTHS (long term heat stability). Please contact Lyondellbasell for shrinkage recommendations.

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

Application	Underhood
Market	Automotive
Attribute	Low Flow

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/5.0 kg)	2	g/10 min	ISO 1133-1
Melt Volume Flow Rate, (230 °C/5.0 kg)	2.5	cm ³ /10 min	ISO 1133-1
Density, (23 °C)	0.98	g/cm ³	ISO 1183-1/A
Mechanical			
Tensile Modulus, (23 °C)	2600	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	50	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	8	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	9.5	kJ/m ²	ISO 179-1/1eA
(0 °C)	5.5	kJ/m ²	ISO 179-1/1eA
Charpy Impact Strength - Unnotched, (23 °C)	47	kJ/m ²	ISO 179-1/1eU
Thermal			
Vicat Softening Temperature, (B50)	110	°C	ISO 306
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	140	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	90	°C	ISO 75A-1, -2