Technical Data Sheet

Hostacom PPH GF 50 EP SF H3 Black

Polypropylene Compounds

Product Description

***Hostacom* PPH GF 50 EP SF H3 Black** is a 50% glass fiber reinforced PP (coupled). It combines excellent stiffness properties with good dimensional stability and low creep under load at elevated temperatures.
This grade is delivered in black color version.

Status	Commercial: Active
Availability	Europe
Application	Automotive Parts; Underhood
Market	Automotive
Processing Method	Injection Molding
Attribute	CAE data available: See "Notes"; Low Creep Under Load at Elevated Temperatures

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (230 °C/2.16 kg)	11	cm³/10 min	ISO 1133-1
Density, (23 °C)	1.33	g/cm³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23 °C, Tech. A)	12500	MPa	ISO 178/A1
Flexural Strength, (23 °C, Tech. A)	200	MPa	ISO 178/A1
Tensile Modulus, (23 °C)	12000	MPa	ISO 527-1, -2
Tensile Stress at Break, (23 °C)	120	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	2,5	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	10	kJ/m²	ISO 179-1/1eA
(-30 °C)	11	kJ/m²	ISO 179-1/1eA
Charpy Impact Strength - Unnotched, (23 °C)	55	kJ/m²	ISO 179-1/1eU
Thermal			
Vicat Softening Temperature, (B50)	145	°C	ISO 306
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	160	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	154	°C	ISO 75A-1, -2

Manufacturer website: https://www.lyondellbasell.com/en/