

Technical Data Sheet

Hostacom PPH GF 30 LW LE H3 BLACK



Polypropylene, Homopolymer

Product Description

30% glass fibre reinforced PP-Homopolymer, long term heat stabilized, laser weldable, low emission. Available in black color.

Processing Method Injection Molding

Attribute Heat Stabilized; Homopolymer; Laser Weldable; Low Emissions

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	5.1	g/10 min	ISO 1133
Density	1.11	g/cm ³	ISO 1183
Mechanical			
Tensile Strain at Break	3.5	%	ISO 527-2
Flexural Modulus	6200	MPa	ISO 178
Tensile Stress at Break	80	MPa	ISO 527-2
Tensile Modulus	6400	MPa	ISO 527-1
Flexural Stress, (3.5%)	126	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	9.2	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched, (23 °C, Type 1, Edgewise)	52	kJ/m ²	ISO 179
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	156	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	130	°C	ISO 75-2/A
Flammable			
Burning Rate, (2.00 mm)	<100	mm/min	FMVSS 302
UL Information			
Flame Rating			
(1.5 mm)	HB		UL 94
(3.0 mm)	HB		UL 94

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	220 to 260	°C
Mold Temperature	30 to 60	°C