Technical Data Sheet

Hostacom PPH GF35 LM MD LE H3 BLK C

Polypropylene, Homopolymer

Product Description

35% glass fibre reinforced PP-Homopolymer, long term heat stabilized, laser markable, low emission. Available in black color.

Processing Method	Injection Molding
Attribute	Heat Stabilized; Homopolymer; Low Emissions
Filler/Reinforcement	Glass Fiber, 35%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	3.7	g/10 min	ISO 1133
Density	1.17	g/cm³	ISO 1183
Mechanical			
Tensile Strain at Break, (Type 1A, 5 mm/min)	3.7	%	ISO 527-2
Flexural Modulus	7800	MPa	ISO 178
Tensile Stress at Break, (Type 1A, 5 mm/min)	100	MPa	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	7660	MPa	ISO 527-1
Flexural Stress, (3.5%)	155	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	12	kJ/m²	ISO 179
Charpy Impact Strength - Unnotched, (23 °C, Type 1, Edgewise)	59	kJ/m²	ISO 179
Thermal			
Vicat Softening Temperature			
(B (50N))	139	°C	ISO 306
(A (10N))	162	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa)	154	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	142	°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