

Technical Data Sheet

**Hostacom PPH GF 35 LM MD LE H3 BLACK**



Polypropylene, Homopolymer

**Product Description**

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

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

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	3.7	g/10 min	ISO 1133
Density	1.17	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
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
<b>Impact</b>			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	12	kJ/m <sup>2</sup>	ISO 179
Charpy Impact Strength - Unnotched, (23 °C, Type 1, Edgewise)	59	kJ/m <sup>2</sup>	ISO 179
<b>Thermal</b>			
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
<b>Flammable</b>			
Burning Rate, (2.00 mm)	<100	mm/min	FMVSS 302
<b>UL Information</b>			
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