

Technical Data Sheet

Hostacom PC072-3 NATURAL

Polypropylene Compounds

Product Description

Hostacom PC072-3 NATURAL is a glass fiber reinforced PP homopolymer with low melt flow rate.
Product is UL listed.

Application	White Goods
Market	Electrical / Electronics
Processing Method	Injection Molding

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate			
(230 °C/2.16 kg)	2	g/10 min	ISO 1133-1
(230 °C/2.16 kg)	2	g/10 min	ASTM D1238
Density			
(23 °C)	1.12	g/cm ³	ASTM D792
(23 °C)	1.14	g/cm ³	ISO 1183-1/A
Mechanical			
Flexural Modulus			
(23 °C)	59800	kg/cm ²	ASTM D790
(23 °C, Tech. A)	5400	MPa	ISO 178/A1
Flexural Strength, (23 °C)	1120	kg/cm ²	ASTM D790
Tensile Modulus			
(23 °C)	6400	MPa	ISO 527-1, -2
(23 °C)	62900	kg/cm ²	ASTM D638
Tensile Strength, (23 °C)	870	kg/cm ²	ASTM D638
Tensile Stress at Yield, (23 °C)	85	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	3.5	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C)	9.5	kJ/m ²	ISO 179-1/1eA
Charpy Impact Strength - Unnotched, (23 °C)	40	kJ/m ²	ISO 179-1/1eU
Notched Izod Impact Strength, (23 °C)	11	kg*cm/cm	ASTM D256
Thermal			
Vicat Softening Temperature, (B50)	130	°C	ISO 306
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	155	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	161	°C	ASTM D648
(1.80 MPa, Unannealed)	130	°C	ISO 75A-1, -2
Flammable			
Flame Rating - UL			
(1.5 mm)	HB		UL 94
(3.0 mm)	HB		UL 94