

Technical Data Sheet

Hostacom HBC 181L 303612



Polypropylene Compounds

Product Description

Hostacom HBC 181L 303612 is a mineral filled 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/5.0 kg)	11	g/10 min	ISO 1133-1
Melt Volume Flow Rate, (230 °C/5.0 kg)	11	cm ³ /10 min	ISO 1133-1
Density, (23 °C)	1.21	g/cm ³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23 °C, Tech. A)	3800	MPa	ISO 178/A1
Tensile Modulus, (23 °C)	3600	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	33	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	4	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	2.9	kJ/m ²	ISO 179-1/1eA
(0 °C)	1.5	kJ/m ²	ISO 179-1/1eA
Charpy Impact Strength - Unnotched			
(23 °C)	28	kJ/m ²	ISO 179-1/1eU
(0 °C)	15	kJ/m ²	ISO 179-1/1eU
Thermal			
Deflection Temperature Under Load, (1.80 MPa, Unannealed)	75	°C	ISO 75A-1, -2

Notes

These are typical property values not to be construed as specification limits.

