

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.

This grade is not intended for medical, pharmaceutical, food and drinking water applications.

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