

Technical Data Sheet

Hostacom HKC 182L C11583

Polypropylene Compounds

Product Description

Hostacom HKC 182L C11583 is a mineral filled PP homopolymer, with medium 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/2.16 kg)	10.5	g/10 min	ISO 1133-1
Melt Volume Flow Rate, (230 °C/2.16 kg)	11	cm ³ /10 min	ISO 1133-1
Density, (23 °C)	1.15	g/cm ³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23 °C, Tech. A)	3400	MPa	ISO 178/A1
Tensile Modulus, (23 °C)	3300	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	33	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	4.5	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	2.5	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			
Vicat Softening Temperature, (B50)	92	°C	ISO 306
Deflection Temperature Under Load, (1.80 MPa, Unannealed)	70	°C	ISO 75A-1, -2