

Technical Data Sheet

Hostacom M2 R18 301105

Polypropylene Compounds

Product Description*Hostacom M2 R18 301105* is a mineral filled PP homopolymer with medium melt flow rate.

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)	11	g/10 min	ISO 1133-1
Melt Volume Flow Rate, (230 °C/2.16 kg)	12	cm ³ /10 min	ISO 1133-1
Density, (23 °C)	1.06	g/cm ³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23 °C, Tech. A)	3100	MPa	ISO 178/A1
Tensile Modulus, (23 °C)	3200	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	37	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	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)	50	kJ/m ²	ISO 179-1/1eU
(0 °C)	25	kJ/m ²	ISO 179-1/1eU
Thermal			
Vicat Softening Temperature, (B50)	100	°C	ISO 306
Deflection Temperature Under Load, (1.80 MPa, Unannealed)	62	°C	ISO 75A-1, -2