

Technical Data Sheet

Hostacom HKP 438D NAT



Polypropylene Compounds

Product Description

Hostacom HKP 438D NAT is a mineral filled PP homopolymer with medium melt flow rate.

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

Application	Appliances
Market	Electrical / Electronics
Processing Method	Injection Molding
Attribute	Medium Flow

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)	11	cm ³ /10 min	ISO 1133-1
Density, (23 °C)	1.26	g/cm ³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23 °C, Tech. A)	2900	MPa	ISO 178/A1
Tensile Modulus, (23 °C)	2800	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	22	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	>40	%	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)	60	kJ/m ²	ISO 179-1/1eU
(0 °C)	25	kJ/m ²	ISO 179-1/1eU
Thermal			
Vicat Softening Temperature, (B50)	90	°C	ISO 306
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	100	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	56	°C	ISO 75A-1, -2