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Technical Data Sheet

Hostacom HRP 438D W91631

Polypropylene Compounds

Product Description

Hostacom HRP 438D W91631 is a mineral filled PP homopolymer with high melt flow rate.

Regulatory Status

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

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

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	22	g/10 min	ISO 1133-1
Melt Volume Flow Rate, (230 °C/2.16 kg)	21	cm³/10 min	ISO 1133-1
Density, (23 °C)	1.25	g/cm³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23 °C, Tech. A)	2700	MPa	ISO 178/A1
Tensile Modulus, (23 °C)	2600	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	20	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	25	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	2.2	kJ/m²	ISO 179-1/1eA
(0 °C)	1.4	kJ/m²	ISO 179-1/1eA
Charpy Impact Strength - Unnotched			
(23 °C)	60	kJ/m²	ISO 179-1/1eU
(0 °C)	28	kJ/m²	ISO 179-1/1eU
Thermal			
Vicat Softening Temperature, (B50)	95	°C	ISO 306
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	100	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	60	°C	ISO 75A-1, -2