

Hostacom PPR 4142

Compounded Polyolefin

Product Description

Hostacom PPR 4142 is an unfilled PP homopolymer, with low melt flow rate.

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

Product Characteristics

Status	Commercial
Processing Method	Injection molding
Features	Low melt flow rate.
Typical Customer Applications	Used for standard applications.

Typical Properties	Method	Value	Unit
Physical			
Melt Flow Rate (230 °C, 2.16 kg)	ISO 1133	4.1	g/10 min
Melt Volume Rate (230 °C, 2.16 kg)	ISO 1133	5.6	cm ³ /10 min
Density (23 °C)	ISO 1183-1/A	0.90	g/cm ³
Mechanical			
Tensile Modulus (23 °C)	ISO 527-1, -2	1100	MPa
Tensile Stress at Yield (23 °C)	ISO 527-1, -2	26	MPa
Tensile Strain at Yield (23 °C)	ISO 527-1, -2	7.0	%
Flexural Modulus (23 °C) Tech. A	ISO 178/A1	1000	MPa
Impact			
Charpy Impact Strength, unnotched (23 °C)	ISO 179-1/1eU	n.b.	kJ/m ²
Charpy Impact Strength, notched (23 °C)	ISO 179-1/1eA	12.0	kJ/m ²
Charpy Impact Strength, notched (0 °C)	ISO 179-1/1eA	4.5	kJ/m ²
Thermal			
Vicat Softening Temperature B (50 N)	ISO 306	70	°C
Heat Deflection Temperature A (1.8 MPa)	ISO 75-1, -2	50	°C
Heat Deflection Temperature B (0.45 MPa)	ISO 75-1, -2	75	°C

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light.
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing.

