

Technical Data Sheet

Hostacom PPR 4142

Polypropylene Compounds



Product Description

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

Processing Method Injection Molding

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	4.1	g/10 min	ISO 1133-1
Melt Volume Flow Rate, (230 °C/2.16 kg)	5.6	cm ³ /10 min	ISO 1133-1
Density, (23 °C)	0.90	g/cm ³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23 °C, Tech. A)	1000	MPa	ISO 178/A1
Tensile Modulus, (23 °C)	1100	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	26	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	7	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	12	kJ/m ²	ISO 179-1/1eA
(0 °C)	4.5	kJ/m ²	ISO 179-1/1eA
Charpy Impact Strength - Unnotched, (23 °C)	No Break		ISO 179-1/1eU
Thermal			
Vicat Softening Temperature, (B50)	70	°C	ISO 306
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	75	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	50	°C	ISO 75A-1, -2

