

Technical Data Sheet

Polyfort POLYPROPYLENE PP 2407-01



Polypropylene, Impact Copolymer

Product Description

PP 2407 is a low-flow, impact resistant, good stiffness copolymer polypropylene. Material can be utilized in extrusion, blow molding and injection applications.

Processing Method	Blow Molding; Compounding; Extrusion; Sheet Extrusion
Attribute	High Impact Resistance; Impact Copolymer; Low Flow
Forms	Pellets
Application	Coating Applications; Profiles; Tubing

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	0.80	g/10 min	ASTM D1238
Density - Specific Gravity	0.9	g/cm ³	ASTM D792
Mechanical			
Tensile Elongation at Yield	10	%	ASTM D638
Tensile Strength at Break, (51 mm/min)	24.1	MPa	ASTM D638
Flexural Modulus	1000	MPa	ASTM D790
Impact			
Gardner Impact, (23 °C)	33.9	J	ASTM D5420
Unnotched Izod Impact, (23 °C)	No Break		ASTM D4812
Notched Izod Impact, (23 °C)	No Break		ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	80		ASTM D785
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	50	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	76	°C	ASTM D648