

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.

Regulatory Status

For regulatory compliance information, see POLYPROPYLENE PP 2407-01 NATURAL [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Asia-Pacific; North America
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

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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