Technical Data Sheet

Pro-fax RP735S

Polypropylene, Random Copolymer

Product Description

Pro-fax RP735S clarified, easy molding high melt flow polypropylene random copolymer resin is available in pellet form. This resin is typically used in injection molding applications requiring good see-through and contact clarity, along with good impact resistance.

Regulatory Status

For regulatory compliance information, see *Pro-fax* RP735S Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial
Availability	North America
Application	Clear Containers; Housewares
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Good Impact Resistance; Good Optical Properties; High Clarity

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (230 °C/2.16 kg)	38	g/10 min	38	g/10 min	ASTM D1238
Density, (23 °C)	0.90	g/cm³	0.90	g/cm³	ASTM D792
Mechanical					
Flexural Modulus					
(0.05 in/min, 1% Secant, Procedure A)	140000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			965	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	3900	psi			ASTM D638
(50 mm/min)			26.9	MPa	ASTM D638
Tensile Elongation at Yield	14	%	14	%	ASTM D638
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	1.3	ft-lb/in			ASTM D256
(23 °C, Method A)			69	J/m	ASTM D256
Gardner Impact					
(73 °F, Geometry GC)	185	in-lbs			ASTM D5420
(23 °C, Geometry GC)			20.3	J	ASTM D5420
Thermal					
Deflection Temperature Under Load					
(66 psi, Unannealed)	165	°F			ASTM D648
(0.45 MPa, Unannealed)			74	°C	ASTM D648
Optical					
Haze, (45 mil)	11	%	11	%	ASTM D1003

Manufacturer website: https://www.lyondellbasell.com/en/

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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