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

Notes

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