

Technical Data Sheet



Pro-fax RP435T

Polypropylene, Random Copolymer

Product Description

Pro-fax RP435T is a clarified, easy molding, high melt flow polypropylene random copolymer resin available in pellet form. This resin is typically used in injection molding applications requiring good see-through and contact clarity, and good impact resistance.

Regulatory Status

For regulatory compliance information, see Pro-fax RP435T [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
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)	55	g/10 min	55	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)	135000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			930	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)	1.2	ft-lb/in			ASTM D256
(23 °C, Method A)			65	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.

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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