# **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 <u>Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS)</u>.

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

	Nominal	English	Nominal		
Typical Properties	Value	Units	Value	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/.

© LyondellBasell Industries Holdings, B.V. 2018

#### Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

#### **Trademarks**

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.

LyondellBasell Technical Data Sheet Date: 10/20/2022 Pro-fax RP435T Recipient Tracking #: Request #: 3977698