

Pro-fax SR549M

Polypropylene Random Copolymer

LyondellBasell Industries

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Technical Data

Product Description

Pro-fax SR549M clarified polypropylene random copolymer is available in pellet form. This resin is typically used in injection molding and injection-stretch blow molding applications and offers good see-through and contact clarity.

For regulatory compliance information see Pro-fax SR549M Product Stewardship Bulletin (PSB).

General

Material Status	• Commercial: Active
Literature ¹	• Processing - Injection Molding (English) • Processing - Mold Shrink (English) • Technical Datasheet (English)
Search for UL Yellow Card	• LyondellBasell Industries • Pro-fax
Availability	• North America
Additive	• Antistatic • Clarifier
Features	• Antistatic • Contact Clarity • Good Impact Resistance • High Clarity • Random Copolymer
Uses	• Caps • Closures • Containers
Forms	• Pellets
Processing Method	• Injection Blow Molding • Stretch Blow Molding

Physical	Nominal Value Unit	Test Method
Density / Specific Gravity	0.898 g/cm ³	ASTM D792B
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11 g/10 min	ASTM D1238

Mechanical	Nominal Value Unit	Test Method
Tensile Strength ³ (Yield)	30.0 MPa	ASTM D638
Tensile Elongation (Yield)	12 %	ASTM D638
Flexural Modulus - 1% Secant ⁴	1110 MPa	ASTM D790A

Impact	Nominal Value Unit	Test Method
Notched Izod Impact (23°C)	64 J/m	ASTM D256A

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load 0.45 MPa, Unannealed	77.0 °C	ASTM D648

Optical	Nominal Value Unit	Test Method
Haze (1140 µm)	7.00 %	ASTM D1003

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

³ 50 mm/min

⁴ 1.3 mm/min

