



Pro-fax RP448S

Polypropylene, Random Copolymer

Product Description

Pro-fax RP448S high melt flow, 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 very good see-through and contact clarity.

For regulatory compliance information see Pro-fax RP448S Product Stewardship Bulletin (PSB).

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	North America
Processing Methods	Injection Molding, Injection Stretch Blow Molding
Features	Antistatic, High Clarity, Good Impact Resistance
Typical Customer Applications	Clear Containers, Housewares

Typical Properties	Method	Value	Unit
Physical			
Density -Specific Gravity <i>Note: 23/23°C Method B</i>	ASTM D 792	0.90	
Melt Flow Rate	ASTM D 1238	40	g/10 min
Mechanical			
Flexural Modulus (0.05 in/min, 1% Secant, Procedure A) (1.3 mm/min, 1% Secant, Procedure A)	ASTM D 790	145000 1000	psi MPa
Tensile Strength @ Yield (2 in/min) (50 mm/min)	ASTM D 638	4000 28	psi MPa
Tensile Elongation @ Yield	ASTM D 638	12	%
Impact			
Notched Izod Impact (73 °F, Method A) (23 °C, Method A)	ASTM D 256	0.8 43	ft-lb/in J/m
Thermal			
Deformation Temperature Under Load (66 psi) (0.45 MPa) <i>Note: Unannealed</i>	ASTM D 648	185 83	°F °C
Optical			
Haze (45 mil, 1.14 mm)	ASTM D 1003	8	%

Notes

Typical properties; not to be construed as specifications.

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- Equistar Chemicals, LP
- Basell Sales & Marketing Company B.V.
- Basell Asia Pacific Limited
- Basell International Trading FZE
- LyondellBasell Australia Pty Ltd

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This product(s) may not be used in:

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All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

Users should review the applicable Material Safety Data Sheet before handling the product.

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