



Pro-fax RP512H

Polypropylene, Random Copolymer

Product Description

Pro-fax RP512H polypropylene random copolymer is available in pellet form. This resin is typically used in extrusion applications such as blow molding, thermoforming, and sheet extrusion.

For regulatory compliance information see Pro-fax RP512H Product Stewardship Bulletin (PSB).

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	North America
Processing Methods	Extrusion Flat-die, Extrusion Blow Molding, Extrusion Thermoforming, Injection Blow Molding
Features	Antistatic, High Clarity
Typical Customer Applications	Bottles For Consumer Goods, Clear Containers

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 (230°C/2.16kg)	ASTM D 1238	2.0	g/10 min
Mechanical			
Flexural Modulus (0.05 in/min) (1.3 mm/min)	ASTM D 790	150000 1035	psi MPa
Tensile Strength @ Yield (2 in/min) (50 mm/min)	ASTM D 638	4100 28	psi MPa
Tensile Elongation @ Yield	ASTM D 638	13	%
Impact			
Notched Izod Impact (73 °F, Method A) (23 °C, Method A)	ASTM D 256	7.0 370	ft-lb/in J/m
Thermal			
Deformation Temperature Under Load (66 psi) (0.45 MPa) <i>Note: Unannealed</i>	ASTM D 648	165 74	°F °C
Optical			
Haze (45 mil, 1.14 mm)	ASTM D 1003	13	%

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

For the contact details of the LyondellBasell company selling this product in your country, please visit <http://www.lyb.com/>.

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This product(s) may not be used in:

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(ii) the manufacture of any of the following, without prior written approval by Seller for each specific product and application: (1) U.S. FDA Class II, Health Canada Class II or Class III, and/or European Union Class II Medical Devices; (2) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned Medical Devices; (3) packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration; (4) tobacco related products and applications; (5) electronic cigarettes and similar devices; and (6) pressure pipe or fittings that are considered a part or component of a nuclear reactor.

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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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