



Pro-fax RP491S

Polypropylene, Random Copolymer

Product Description

Pro-fax RP491S polypropylene random copolymer resin is available in pellet form. This resin is typically used in injection molding applications.

For regulatory compliance information see Pro-fax RP491S Product Stewardship Bulletin (PSB).

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	North America
Processing Methods	Injection Molding
Features	Antistatic, Nucleated
Typical Customer Applications	Containers

Typical Properties	Method	Value	Unit
Physical			
Density -Specific Gravity (23/23°C Method B)	ASTM D 792	0.90	
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	35	g/10 min
Mechanical			
Flexural Modulus	ASTM D 790		
(0.05 in/min, 1% Secant, Procedure A)		135,000	psi
(1 mm/min, 1% Secant, Procedure A)		930	MPa
Tensile Strength @ Yield	ASTM D 638		
(2 in/min)		3,800	psi
(50 mm/min)		26.2	MPa
Tensile Elongation @ Yield	ASTM D 638	13	%
Note: (2 in/min)			
Impact			
Notched Izod Impact	ASTM D 256		
(73 °F, Method A)		1.1	ft-lb/in
(23 °C, Method A)		59	J/m
Thermal			
Deformation Temperature Under Load	ASTM D 648		
(66 psi)		185	°F
(0.45 MPa)		85	°C
Note: Unannealed			

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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- the manufacture of any of the following, without prior written approval by Seller for each specific

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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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