



Pro-fax PD702

Polypropylene, Homopolymer

Product Description

Pro-fax PD702 polypropylene homopolymer is available in pellet form. This resin is typically used in injection molding applications.

For regulatory compliance information see Pro-fax PD702 Product Stewardship Bulletin (PSB).

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	North America
Processing Methods	Injection Molding
Features	Good Dimensional Stability, Good Processability
Typical Customer Applications	Caps & Closures, Opaque Containers

Typical Properties	Method	Value	Unit
Physical			
Density -Specific Gravity	ASTM D 792	0.90	
<i>Note: 23/23°C Method B</i>			
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)		170000	psi
(1.3 mm/min, 1% Secant, Procedure A)		1170	MPa
Tensile Strength @ Yield	ASTM D 638		
(2 in/min)		4500	psi
(50 mm/min)		31	MPa
Tensile Elongation @ Yield	ASTM D 638	12	%
Impact			
Notched Izod Impact	ASTM D 256		
(73 °F, Method A)		0.6	ft-lb/in
(23 °C, Method A)		32	J/m
Thermal			
Deformation Temperature Under Load	ASTM D 648		
(66 psi)		190	°F
(0.45 MPa)		88	°C
<i>Note: Unannealed</i>			

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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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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