



Pro-fax 6524

Polypropylene, Homopolymer

Product Description

Pro-fax 6524 polypropylene homopolymer is available in pellet form. This resin is typically used in injection molding applications and offers very good resistance to aging at elevated temperatures in both wet and dry environments.

For regulatory compliance information see Pro-fax 6524 Product Stewardship Bulletin (PSB).

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	North America
Processing Methods	Injection Molding
Features	Good Chemical Resistance, High ESCR (Environmental Stress Cracking Resistance), Good Heat Aging Resistance, Solvent Resistant, Good Stiffness
Typical Customer Applications	Dishwashing, Washing

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	4 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	200000 psi 1380 MPa
Tensile Strength @ Yield (2 in/min) (50 mm/min)	ASTM D 638	4800 psi 33 MPa
Tensile Elongation @ Yield	ASTM D 638	12 %
Impact		
Notched Izod Impact (73 °F, Method A) (23 °C, Method A)	ASTM D 256	1.0 ft-lb/in 53 J/m
Thermal		
Deformation Temperature Under Load (66 psi) (0.45 MPa) <i>Note: Unannealed</i>	ASTM D 648	190 °F 88 °C

Additional Properties

Oven Aging, Basell Test Method, Days at 150°C: 110
Oven Aging, Basell Test Method, Days at 150°C, After 7 day Boil-in-Water: 80

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

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