

# Pro-fax 6524

Polypropylene Homopolymer

LyondellBasell Industries

## Message:

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).

General Information			
Features	Good Chemical Resistance		
	Good Heat Aging Resistance		
	Good Stiffness		
	High ESCR (Stress Crack Resist.)		
	Homopolymer		
	Solvent Resistant		
Uses	Appliances		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.898	g/cm <sup>3</sup>	ASTM D792B
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	33.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus - 1% Secant <sup>2</sup>	1380	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256A
Aging	Nominal Value	Unit	Test Method
Oven Aging			Internal Method
150°C <sup>3</sup>	2.6	month	
150°C	3.6	month	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	88.0	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	1.3 mm/min		
3.	After 7 day Boil-in-Water		

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