

LyondellBasell® 6331

Pro-fax 6331 general purpose polypropylene homopolymer is available in pellet form. This resin is typically used in injection molding applications.

Availability: North America

Application: Caps & Closures; Containers; Food Packaging Film

Market: Consumer Products; Flexible Packaging; Rigid Packaging

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792

Melt Flow	12.0 g/10 min @Load 2.16 kg, Temperature 230 °C	12.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238
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Mechanical Properties	Metric	English	Comments
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Tensile Strength, Yield	34.0 MPa	4930 psi	50 mm/min; ASTM D638
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Elongation at Yield	11.0 %	11.0 %	ASTM D638
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Flexural Modulus	1.45 GPa	210 ksi	1.3 mm/min, 1% Secant, Procedure A; ASTM D790
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Izod Impact, Notched	0.320 J/cm	0.599 ft-lb/in	Method A; ASTM D256
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Thermal Properties	Metric	English	Comments
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Deflection Temperature at 0.46 MPa (66 psi)	93.0 °C	199 °F	Unannealed; ASTM D648
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