

Technical Data Sheet

*Pro-fax* 6331



Polypropylene, Homopolymer

**Product Description**

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

<b>Status</b>	Commercial: Active
<b>Availability</b>	North America
<b>Application</b>	Caps & Closures; Containers; Food Packaging Film
<b>Market</b>	Consumer Products; Flexible Packaging; Rigid Packaging
<b>Processing Method</b>	Cast Film; Compounding; Injection Molding
<b>Attribute</b>	General Purpose

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
<b>Physical</b>					
Melt Flow Rate, (230 °C/2.16 kg)	12	g/10 min	12	g/10 min	ASTM D1238
Density, (23 °C)	0.90	g/cm <sup>3</sup>	0.90	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>					
Flexural Modulus					
(0.05 in/min, 1% Secant, Procedure A)	210000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1450	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	4900	psi			ASTM D638
(50 mm/min)			34	MPa	ASTM D638
Tensile Elongation at Yield	11	%	11	%	ASTM D638
<b>Impact</b>					
Notched Izod Impact Strength					
(73 °F, Method A)	0.6	ft-lb/in			ASTM D256
(23 °C, Method A)			32	J/m	ASTM D256
<b>Thermal</b>					
Deflection Temperature Under Load					
(66 psi, Unannealed)	200	°F			ASTM D648
(0.45 MPa, Unannealed)			93	°C	ASTM D648