

## Technical Data Sheet

### *Pro-fax* 7624



Polypropylene, Impact Copolymer

#### Product Description

*Pro-fax* 7624 impact polypropylene copolymer is available in pellet form. This resin is typically used in extrusion applications and offers a very good stiffness/impact balance as well as an excellent resistance to aging at elevated temperatures in both wet and dry environments.

<b>Application</b>	Appliances; Automotive Parts; Interior Automotive Applications; Specialty Film; Underhood
<b>Market</b>	Automotive; Flexible Packaging
<b>Processing Method</b>	Blown Film; Sheet and Profile Extrusion; Tubing
<b>Attribute</b>	Good Dimensional Stability; Good Heat Aging Resistance; Low Temperature Impact Resistance

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
<b>Physical</b>					
Melt Flow Rate, (230 °C/2.16 kg)	1.4	g/10 min	1.4	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)	175000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1210	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	4100	psi			ASTM D638
(50 mm/min)			28	MPa	ASTM D638
Tensile Elongation at Yield	11	%	11	%	ASTM D638
<b>Impact</b>					
Notched Izod Impact Strength					
(73 °F, Method A)	2.7	ft-lb/in			ASTM D256
(23 °C, Method A)			144	J/m	ASTM D256
<b>Thermal</b>					
Deflection Temperature Under Load					
(66 psi, Unannealed)	180	°F			ASTM D648
(0.45 MPa, Unannealed)			82	°C	ASTM D648