



## Pro-fax 7523

### Polypropylene, Impact Copolymer

#### Product Description

*Pro-fax 7523* impact polypropylene copolymer is available in pellet form. This resin is typically used in injection molding applications and offers good cold temperature impact resistance.

An ASTM and ISO-based versions of the technical datasheet are available for *Pro-fax 7523*

For regulatory compliance information see *Pro-fax 7523* Product Stewardship Bulletin (PSB).

#### Product Characteristics

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ISO ASTM
<b>Availability</b>	North America
<b>Processing Methods</b>	Injection Molding
<b>Features</b>	Good Heat Aging Resistance , Good Impact Resistance , Good Stiffness
<b>Typical Customer Applications</b>	Automotive Parts, Small Appliances, Sports, Leisure and Toys

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	4	g/10 min
Density (23°C)	ISO 1183	0.90	g/cm <sup>3</sup>
<i>Note: Method A</i>			
<b>Mechanical</b>			
Tensile Stress at Yield (23 °C)	ISO 527-1, -2	26	MPa
Tensile Strain at Yield (23 °C)	ISO 527-1, -2	9	%
Flexural modulus (23 °C)	ISO 178	1220	MPa
<b>Impact</b>			
Charpy notched impact strength (23 °C)	ISO 179	10.1	kJ/m <sup>2</sup>
(-40 °C)		2.5	kJ/m <sup>2</sup>
Notched izod impact strength (23 °C)	ISO 180	9.9	kJ/m <sup>2</sup>
<b>Thermal</b>			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	76	°C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	49	°C

#### Additional Properties

AUTOMOTIVE SPECIFICATIONS:  
 Chrysler MS-DB500 CPN 4168  
 Chrysler MS-DB500 CPN 4467  
 Ford ESB-M4D175-A  
 GM GMP.PP.001