

# Technical Data Sheet

## Pro-fax 8623



Polypropylene, Impact Copolymer

### Product Description

Pro-fax 8623 very high impact polypropylene copolymer is available in pellet form. This resin is typically used in extrusion and injection molding applications and offers excellent cold temperature impact resistance.

ASTM and ISO-based versions of the technical data sheet are available for Pro-fax 8623.

### Regulatory Status

For regulatory compliance information, see Pro-fax 8623 [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

<b>Status</b>	Commercial: Active
<b>Availability</b>	North America
<b>Application</b>	Automotive Parts; Opaque Containers
<b>Market</b>	Automotive
<b>Processing Method</b>	Injection Molding; Sheet and Profile Extrusion; Thermoforming
<b>Attribute</b>	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)	1.5	g/10 min	1.5	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)	150000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1030	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	3400	psi			ASTM D638
(50 mm/min)			23	MPa	ASTM D638
Tensile Elongation at Yield	9	%	9	%	ASTM D638
<b>Impact</b>					
Notched Izod Impact Strength					
(73 °F, Method A)	No Break				ASTM D256
(23 °C, Method A)			No Break		ASTM D256
<b>Thermal</b>					
Deflection Temperature Under Load					
(66 psi, Unannealed)	170	°F			ASTM D648
(0.45 MPa, Unannealed)			77	°C	ASTM D648

## Notes

These are typical property values not to be construed as specification limits.

## Automotive Specifications

- ▶ FCA MS-DB500 CPN 4002
- ▶ Ford ESA-M4D472-A
- ▶ Ford ESB-M4D308-A

## Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

## Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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