



Pro-fax 7823

Polypropylene, Impact Copolymer

Product Description

Pro-fax 7823 fractional melt flow polypropylene copolymer is available in pellet form. This resin is typically used in extrusion applications and offers high melt strength and excellent impact resistance.

An ASTM and ISO-based versions of the technical datasheet are available for *Pro-fax 7823*

For regulatory compliance information see *Pro-fax 7823* Product Stewardship Bulletin (PSB).

Product Characteristics

Status	Commercial: Active
Test Method used	ISO ASTM
Availability	North America
Processing Methods	Blown Film, Extrusion Blow Molding, Tapes & Raffia
Features	Good Heat Aging Resistance , Good Impact Resistance , Low Temperature Impact Resistance, Good Melt Strength , Good Stiffness
Typical Customer Applications	Film Wrap, Food Packaging Film, Raffia/Tapes/Strapping, Under-the-Hood & Structural Applications

Typical Properties	Method	Value	Unit
Physical			
Density -Specific Gravity <i>Note: 23/23°C Method B</i>	ASTM D 792	0.90	
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	0.45	g/10 min
Mechanical			
Flexural Modulus (0.05 in/min, 1% Secant, Procedure A) (1.3 mm/min, 1% Secant, Procedure A)	ASTM D 790	180000 1240	psi MPa
Tensile Strength @ Yield (2 in/min) (50 mm/min)	ASTM D 638	4100 28	psi MPa
Tensile Elongation @ Yield	ASTM D 638	11	%
Impact			
Notched Izod Impact (73 °F, Method A) (23 °C, Method A)	ASTM D 256	No Break No Break	
Thermal			
Deformation Temperature Under Load (66 psi) (0.45 MPa) <i>Note: Unannealed</i>	ASTM D 648	185 85	°F °C

Additional Properties

AUTOMOTIVE SPECIFICATIONS:

Chrysler MS-DB500 CPN 3735
Chrysler MS-DB500 CPN 4002
Ford ESA-M4D281-A
Ford WSS-M4D932-A1
Ford WSS-M4D932-B1
GM GMP.PP.021
GM GMW 15702 - 150041
GM GMW17178-T1
Opel QK003721

Notes

Typical properties; not to be construed as specifications.

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LyondellBasell markets this product through the following entities:

- Equistar Chemicals, LP
- Basell Sales & Marketing Company B.V.
- Basell Asia Pacific Limited
- Basell International Trading FZE
- LyondellBasell Australia Pty Ltd

For the contact details of the LyondellBasell company selling this product in your country, please visit <http://www.lyb.com/>.

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All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

Users should review the applicable Safety Data Sheet before handling the product.

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