Technical Data Sheet

Pro-fax RP323M

Polypropylene, Random Copolymer

Product Description

Pro-fax RP323M is a barefoot polypropylene random copolymer available in pellet form. This resin is typically used in cast film packaging applications. Typical properties of cast film made with this resin are excellent clarity and gloss, as well as improved cold temperature impact resistance and broader heat seal range compared to homopolymer polypropylene.

Regulatory Status

For regulatory compliance information, see *Pro-fax* RP323M Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	North America
Application	Bags & Pouches; Breathable Film; Film Wrap; Food Packaging Film; Heavy Duty Packaging; Hygiene Film; Peelable Film; Stationery Film; Stretch Wrap Film; Twist Wrap Film
Market	Flexible Packaging
Processing Method	Cast Film
Attribute	Good Heat Seal; Good Processability; Opticals

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (230 °C/2.16 kg)	8.0	g/10 min	8.0	g/10 min	ASTM D1238
Density, (23 °C)	0.90	g/cm³	0.90	g/cm³	ASTM D792
Mechanical					
Flexural Modulus					
(0.05 in/min, 1% Secant, Procedure A)	120000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			830	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	3600	psi			ASTM D638
(50 mm/min)			24.8	MPa	ASTM D638
Tensile Elongation at Yield	14	%	14	%	ASTM D638
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	1.2	ft-lb/in			ASTM D256
(23 °C, Method A)			64	J/m	ASTM D256
Thermal					
Deflection Temperature Under Load					
(66 psi, Unannealed)	167	°F			ASTM D648
(0.45 MPa, Unannealed)			75	°C	ASTM D648

Manufacturer website: https://www.lyondellbasell.com/en/

Notes

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

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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