Technical Data Sheet

Pro-fax SD183

Polypropylene, Impact Copolymer

Product Description

Pro-fax SD183 impact polypropylene copolymer is available in pellet form. This resin is typically used in extrusion applications and offers excellent resistance to aging at elevated temperatures in both wet and dry environments.

Regulatory Status

For regulatory compliance information, see *Pro-fax* SD183 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial
Availability	North America
Application	Appliances; Automotive Parts; Interior Automotive Applications; Specialty Film
Processing Method	Sheet and Profile Extrusion; Thermoforming; Tubing
Attribute	Good Heat Aging Resistance; Good Impact Resistance

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
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/cm³	0.90	g/cm³	ASTM D792
Mechanical					
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)	4000	psi			ASTM D638
(50 mm/min)			28	MPa	ASTM D638
Tensile Elongation at Yield	11	%	11	%	ASTM D638
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	2.8	ft-lb/in			ASTM D256
(23 °C, Method A)			150	J/m	ASTM D256
Thermal					
Deflection Temperature Under Load					
(66 psi, Unannealed)	175	°F			ASTM D648
(0.45 MPa, Unannealed)			79	°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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