Technical Data Sheet

Pro-fax SC973

Polypropylene, Impact Copolymer

Product Description

Pro-fax SC973 high melt flow, fully formulated impact polypropylene copolymer is available in pellet form. This resin is typically used in thin-wall injection molding applications and offers excellent stiffness.

Regulatory Status

For regulatory compliance information, see *Pro-fax* SC973 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	North America
Application	Multi Media Packaging; TWIM Food Containers
Market	Consumer Products; Rigid Packaging
Processing Method	Compounding; Injection Molding
Attribute	Contains Antistat; Good Stiffness; High Flow; Medium Slip; Nucleated

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (230 °C/2.16 kg)	107	g/10 min	107	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)	215000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1480	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	4100	psi			ASTM D638
(50 mm/min)			28	MPa	ASTM D638
Tensile Elongation at Yield	5	%	5	%	ASTM D638
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	0.6	ft-lb/in			ASTM D256
(23 °C, Method A)			32	J/m	ASTM D256
Thermal					
Deflection Temperature Under Load					
(66 psi, Unannealed)	240	°F			ASTM D648
(0.45 MPa, Unannealed)			116	°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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