

LyondellBasell Pro-faxâ„¸ SC973 Polypropylene Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

Material Notes:

Description: Pro-faxâ„¸ Ultra SC973 fully formulated (antistatic, nucleated, slip modified), very high melt flow, impact polypropylene reactor copolymer resin is designed for injection molding applications requiring processability while maximizing stiffness. Pro-faxâ„¸ Ultra SC973 resin meets FDA requirements in the Code of Federal Regulations, 21 CFR 177.1520, for food contact, excluding cooking applications. All ingredients in Pro-faxâ„¸ Ultra SC973 resin meet the chemical registration requirements of TSCA (U.S.) and DSL (Canada).
Uses: Thin-walled containers, cups
Information provided by Basell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Pro-fax-SC973-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 lb/in ³	ASTM D792
Melt Flow	100 g/10 min @Load 2.16 kg, Temperature 230 Â°C	100 g/10 min @Load 4.76 lb, Temperature 446 Â°F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	27.6 MPa	4000 psi	ASTM D 638
Elongation at Yield	4.0 %	4.0 %	ASTM D 638
Flexural Modulus	1.45 GPa	210 ksi	1% Secant, 0.05 in/min; ASTM D790
Izod Impact, Notched	0.534 J/cm	1.00 ft-lb/in	73Â°F; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	123 Â°C	253 Â°F	Unannealed; ASTM D648

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