

LyondellBasell Pro-faxâ„¢ SD183 Polypropylene Copolymer

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

Material Notes:

Description: Pro-faxâ„¢ SD183 medium impact polypropylene copolymer resin is extremely resistant to aging at elevated temperatures in both wet and dry environments. It has an excellent balance of properties and is suited for injection molding or extrusion applications. Pro-faxâ„¢ SD183 resin has a UL yellow card RTI of 65Â°C and a flame rating of UL94HB; these apply to all colors at a minimum thickness of 0.043 inches. All ingredients meet the chemical registration requirements of TSCA (U.S.) and DSL (Canada). Uses: AppliancesInformation provided by Basell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Pro-fax-SD183-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 lb/inÂ³	ASTM D792
Melt Flow	1.5 g/10 min @Load 2.16 kg, Temperature 230 Â°C	1.5 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	10 %	10 %	ASTM D 638
Flexural Modulus	1.17 GPa	170 ksi	1% Secant, 0.05 in/min; ASTM D790
Izod Impact, Notched	1.60 J/cm	3.00 ft-lb/in	73Â°F; ASTM D256
Gardner Impact	27.1 J @Temperature -30.0 Â°C	20.0 ft-lb @Temperature -22.0 Â°F	ASTM D3029, tested in accordance with ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	87.2 Â°C	189 Â°F	Unannealed; ASTM D648

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