

LyondellBasell Pro-fax 7523 Polypropylene Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Primary Processing Method: Injection Molding
Key Features: good cold impact resistance, good stiffness and impact balance, excellent dimensional stability, FDA acceptable
Applications: seating, appliances, automotive parts, housewares
Meets FDA requirements in 21 CFR 177.1520 for all food contact, including cooking applications.
Description: Pro-fax 7523 medium impact polypropylene copolymer resin is designed for injection molding applications. This resin meets FDA requirements in the Code of Federal Regulations in 21 CFR 177.520 for all food contact, including cooking applications. All ingredients meet the chemical registration requirements of TSCA and DSL.
Information provided by Montell Polyolefins. LyondellBasell is the successor company to Montell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Pro-fax-7523-Polypropylene-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792B
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 230 °C	4.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	27.0 MPa	3920 psi	ASTM D638
Elongation at Yield	8.0 %	8.0 %	ASTM D638
Flexural Modulus	1.20 GPa	174 ksi	1% secant at 0.05 in/min; ASTM D790A
Izod Impact, Notched	1.10 J/cm	2.06 ft-lb/in	ASTM D256A
Impact Test	28.0 J @Temperature -29.0 °C	20.7 ft-lb @Temperature -20.2 °F	Montell drop weight impact strength

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	90.0 °C	194 °F	ASTM D648
UL RTI, Mechanical with Impact	115 °C	239 °F	Minimum thickness 0.040 inches.
Flammability, UL94	HB	HB	Minimum thickness 0.040 inches.

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