

LyondellBasell Pro-fax 7531 Polypropylene Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Primary Processing Method: Injection Molding/Thermoforming
Key Features: medium impact polypropylene copolymer resin for food packaging, FDA acceptable, low odor and low taste transfer, good cold impact resistance, excellent dimensional stability
Applications: food containers, medical wares, housewares
Meets FDA requirements in 21 CFR 177.1520 for all food contact, including cooking applications.
Description: Pro-fax 7531 medium impact polypropylene copolymer resin is designed for food packaging applications. It can be used on standard injection molding and thermoforming equipment. It has passed USP Class VI testing. It has a yellow card RTI, which applies to all colors. 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-7531-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	26.0 J @Temperature -29.0 °C	19.2 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	65.0 °C	149 °F	Minimum thickness 0.039 inches.
Flammability, UL94	HB	HB	Minimum thickness 0.039 inches.

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