

LyondellBasell Pro-fax 8523 Polypropylene Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Key Features: excellent cold impact resistance, good stiffness and impact balance, FDA acceptable
Applications: automotive parts, luggage, totes, bins, carrying cases, appliances
Meets FDA requirements in 21 CFR 177.1520 for all food contact, excluding cooking applications.
Description: Pro-fax 8523 super high impact polypropylene copolymer resin is designed for general extrusion or injection molding equipment. This resin is available in pellet form. It has a UL 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-8523-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	21.0 MPa	3050 psi	ASTM D638
Elongation at Yield	8.0 %	8.0 %	ASTM D638
Flexural Modulus	1.00 GPa	145 ksi	1% secant at 0.05 in/min; ASTM D790A
Izod Impact, Notched	NB	NB	ASTM D256A
Impact Test	>= 61.0 J @Temperature -29.0 °C	>= 45.0 ft-lb @Temperature -20.2 °F	Montell drop weight impact strength

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	81.0 °C	178 °F	ASTM D648
UL RTI, Mechanical with Impact	105 °C	221 °F	Minimum thickness 0.038 inches.
Flammability, UL94	HB	HB	Minimum thickness 0.038 inches.

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