

LyondellBasell Pro-fax 6523 Polypropylene Homopolymer, General Purpose

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:**Key Features:** general purpose polypropylene homopolymer resin, stiff, high resistance to solvents, FDA acceptable**Applications:** automotive, hospital and institutional ware, housewares, general molding**Description:** Pro-fax 6523 general purpose polypropylene homopolymer resin is available in natural and custom compounded colors. This resin meets FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for all food contact, including cooking applications. It has a yellow card RTI, which applies to natural color resin. 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-6523-Polypropylene-Homopolymer-General-Purpose.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
Hardness, Rockwell R	86	86	ASTM D785A
Tensile Strength, Yield	34.0 MPa	4930 psi	ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Flexural Modulus	1.40 GPa	203 ksi	1% secant at 0.05 in/min; ASTM D790A
Izod Impact, Notched	0.390 J/cm	0.731 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	93.0 °C	199 °F	ASTM D648
UL RTI, Mechanical with Impact	110 °C	230 °F	Minimum thickness 0.040 inches.
Flammability, UL94	HB	HB	Minimum thickness 0.058 inches.

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