

LyondellBasell Pro-fax 6323 Polypropylene Homopolymer, Easy Molding

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Primary Processing Method: General Purpose
Key Features: easy molding, FDA acceptable, general purpose polypropylene homopolymer resin
Applications: containers, closures, hospital and institutional ware, toys
Meets FDA requirements in 21 CFR 177.1520 for all food contact, including cooking applications.
Description: Pro-fax 6323 resin is a general purpose polypropylene homopolymer. It meets FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for all food contact, including cooking applications. It has a UL yellow card RTI. These UL ratings apply only 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-6323-Polypropylene-Homopolymer-Easy-Molding.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792B
Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 230 °C	12 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	88	88	ASTM D785A
Tensile Strength, Yield	34.0 MPa	4930 psi	ASTM D638
Elongation at Yield	10 %	10 %	ASTM D638
Flexural Modulus	1.40 GPa	203 ksi	1% secant at 0.05 in/min; ASTM D790A
Izod Impact, Notched	0.350 J/cm	0.656 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	92.0 °C	198 °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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