

LyondellBasell Pro-fax PD702 Polypropylene Homopolymer, High Flow

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Primary Processing Method: Injection Molding
Key Features: high flow polypropylene homopolymer resin for injection molding, FDA acceptable, ease of processing allows increased design freedom and higher productivity, excellent dimensional stability, processes with low built-in stress, good surface finish color
Applications: chemical containers and lids, large flat trays, thin complex parts, shipping containers
Meets FDA requirements in 21 CFR 177.1520 for all food contact applications up to 212Â°F (100Â°C).
Description: Pro-fax PD702 high flow, controlled rheology polypropylene homopolymer resin is designed for injection molding. It is available in pellet form. It meets FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 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-PD702-Polypropylene-Homopolymer-High-Flow.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792B
Melt Flow	35 g/10 min @Load 2.16 kg, Temperature 230 Â°C	35 g/10 min @Load 4.76 lb, Temperature 446 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	89	89	ASTM D785A
Tensile Strength, Yield	32.0 MPa	4640 psi	ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Flexural Modulus	1.20 GPa	174 ksi	1% secant at 0.05 in/min; ASTM D790A
Izod Impact, Notched	0.320 J/cm	0.599 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	95.0 Â°C	203 Â°F	ASTM D648

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