

LyondellBasell Pro-fax PF511 Polypropylene Homopolymer, Radiation Resistant

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Primary Processing Method: Injection Molding
Key Features: high melt flow, radiation-resistant polypropylene homopolymer resin, excellent retention of physical properties and color after radiation sterilization, easily processed
Applications: medical devices, syringes, test tubes, blood vials
Passed USP Class VI testing. All ingredients meet TSCA (US) and DSL (Canada).
Description: Pro-fax PF511 polypropylene homopolymer resin is designed for thermoformed container applications that require see-through clarity and good stiffness. 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-PF511-Polypropylene-Homopolymer-Radiation-Resistant.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792B
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 230 °C	20 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	74	74	ASTM D785A
Tensile Strength, Yield	27.0 MPa	3920 psi	ASTM D638
Elongation at Yield	16 %	16 %	ASTM D638
Flexural Modulus	0.780 GPa	113 ksi	1% secant at 0.05 in/min; ASTM D790A
Izod Impact, Notched	0.330 J/cm	0.618 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	76.0 °C	169 °F	ASTM D648

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