

LyondellBasell Pro-fax 7823 Polypropylene Impact Copolymer, Fractional Melt Flow

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Key Features: high extrudate melt strength, good cold impact resistance, good stiffness and impact balance, FDA acceptable
Applications: pipe, tubing, sheet, profiles, netting, blown containers and industrial components
Meets FDA requirements in 21 CFR 177.1520 for all food contact, including cooking applications.
Description: Pro-fax 7823 fractional melt flow polypropylene copolymer resin is designed for extrusion applications requiring high melt strength and excellent toughness. This resin is available in pellet form. It has passed USP Class VI testing, and 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-7823-Polypropylene-Impact-Copolymer-Fractional-Melt-Flow.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792B
Melt Flow	0.45 g/10 min @Load 2.16 kg, Temperature 230 °C	0.45 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	27.0 MPa	3920 psi	ASTM D638
Elongation at Yield	11 %	11 %	ASTM D638
Flexural Modulus	1.10 GPa	160 ksi	1% secant at 0.05 in/min; ASTM D790A
Izod Impact, Notched	NB	NB	ASTM D256A
Impact Test	29.0 J @Temperature -29.0 °C	21.4 ft-lb @Temperature -20.2 °F	Montell drop weight impact strength

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	88.0 °C	190 °F	ASTM D648
UL RTI, Mechanical with Impact	115 °C	239 °F	Minimum thickness 0.040 inches.
Flammability, UL94	HB	HB	Minimum thickness 0.040 inches.

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