

LyondellBasell Pro-fax 6301 Polypropylene Homopolymer, Flake Resin

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Primary Processing Method: Masterbatch/Concentrates
Key Features: general purpose polypropylene homopolymer flake resin, minimal stabilization, FDA acceptable
Applications: compounding, concentrates, masterbatches
Meets FDA requirements in 21 CFR 177.1520 for all food contact, including cooking applications. Additives require a reassessment.
Description: Pro-fax 6301 general purpose polypropylene homopolymer resin is available as natural flake. Flake from resin is well suited for mixing with pigments and other additives to make polymer concentrates or masterbatches. This resin has very minimal stabilization, which allows wide design latitude for the compounded. Additional suitable stabilization is required to protect the resin during melt processing and throughout its useful life. Pro-fax 6301 flake resin meets FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for all food contact, including cooking applications. Please note that any additives compounded into this resin will require a reassessment of its FDA status. 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-6301-Polypropylene-Homopolymer-Flake-Resin.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	90	90	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	0.360 J/cm	0.674 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

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