

LyondellBasell Pro-faxâ„¢ PH350 Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

Description: Pro-faxâ„¢ PH350 general purpose polypropylene homopolymer resin is available as natural flake. Flake form 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 compounder. Additional suitable stabilization is required to protect the resin during melt processing and throughout its useful life. Pro-faxâ„¢ PH350 flake resin meets FDA requirements in the Code of Federal Regulations, 21 CFR 177.1520, for food contact, including cooking applications. Please note that any additives compounded into this resin will require a re-assessment of its FDA status. All ingredients meet the chemical registration requirements of TSCA (U.S.) and DSL (Canada). Uses:

Compounding Information provided by Basell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Pro-fax-PH350-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 lb/in ³	ASTM D792
Melt Flow	3.5 g/10 min @Load 2.16 kg, Temperature 230 Â°C	3.5 g/10 min @Load 4.76 lb, Temperature 446 Â°F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	85	85	ASTM D 785
Tensile Strength, Yield	33.8 MPa	4900 psi	ASTM D 638
Elongation at Yield	12 %	12 %	ASTM D 638
Flexural Modulus	1.38 GPa	200 ksi	1% Secant, 0.05 in/min; ASTM D790
Izod Impact, Notched	0.374 J/cm	0.700 ft-lb/in	73Â°F; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	90.0 Â°C	194 Â°F	Unannealed; ASTM D648

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