

LyondellBasell Pro-fax SV954 Polypropylene Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Key Features: nucleation shortens cycles for higher productivity, resists dirt and dust pick-up, good cold impact resistance, good stiffness and impact balance, high flow for ease of mold filling and minimum warpage, low odor and taste transfer, FDA acceptable

Applications: dairy containers, housewares and consumer products

Meets FDA requirements in 21 CFR 177.1520 for all food contact, excluding cooking applications.

Description: Pro-fax SV954 easy molding, fully formulated, high melt flow, medium impact polypropylene copolymer resin is designed for thin-wall applications requiring an excellent balance of stiffness and impact resistance. It is available in pellet form. This resin 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-SV954-Polypropylene-Impact-Copolymer.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 °C	35 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	5.0 %	5.0 %	ASTM D638
Flexural Modulus	1.40 GPa	203 ksi	1% secant at 0.05 in/min; ASTM D790A
Izod Impact, Notched	0.730 J/cm	1.37 ft-lb/in	ASTM D256A
Impact Test	21.0 J @Temperature 5.00 °C	15.5 ft-lb @Temperature 41.0 °F	Montell drop weight impact strength

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	115 °C	239 °F	ASTM D648

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