

LyondellBasell Pro-fax SG702 Polypropylene Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Key Features: excellent cold impact resistance, good stiffness and impact balance, UV stabilizer, polypropylene copolymer resin, injection molding
Applications: automotive interior trim, pet carriers, seating
All ingredients meet TSCA (US) and DSL (Canada) registration requirements.
Description: Pro-fax SG702 high flow, high impact polypropylene copolymer resin is designed for injection molding applications and is available in pellet form. It has a UL yellow card RTI, which applies to all colors. 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-SG702-Polypropylene-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792B
Melt Flow	18 g/10 min @Load 2.16 kg, Temperature 230 °C	18 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	21.0 MPa	3050 psi	ASTM D638
Elongation at Yield	5.0 %	5.0 %	ASTM D638
Flexural Modulus	1.10 GPa	160 ksi	1% secant at 0.05 in/min; ASTM D790A
Izod Impact, Notched	2.30 J/cm	4.31 ft-lb/in	ASTM D256A
Impact Test	61.0 J @Temperature 5.00 °C	45.0 ft-lb @Temperature 41.0 °F	Montell drop weight impact strength

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	90.0 °C	194 °F	ASTM D648
UL RTI, Mechanical with Impact	65.0 °C	149 °F	Minimum thickness of 0.059 inches.
Flammability, UL94	HB	HB	Minimum thickness of 0.059 inches.

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