

LyondellBasell Pro-faxâ„¢ SG722 Polypropylene Copolymer

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

Material Notes:

Description: Pro-faxâ„¢ SG722 high flow, high impact polypropylene copolymer resin is designed for injection molding applications. This resin is available in pellet form. Pro-faxâ„¢ SG722 resin meets FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520, for food contact, including cooking applications. All ingredients in Pro-faxâ„¢ SG722 resin meet the chemical registration requirements of TSCA (U.S.) and DSL (Canada). Uses: Household goods, toys, consumer applications, sporting goodsInformation provided by Basell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Pro-fax-SG722-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 lb/in ³	ASTM D792
Melt Flow	25 g/10 min @Load 2.16 kg, Temperature 230 Â°C	25 g/10 min @Load 4.76 lb, Temperature 446 Â°F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	22.8 MPa	3300 psi	ASTM D 638
Elongation at Yield	6.6 %	6.6 %	ASTM D 638
Flexural Modulus	1.03 GPa	150 ksi	1% Secant, 0.05 in/min; ASTM D790
Izod Impact, Notched	NB	NB	73Â°F; ASTM D256
Impact	>= 45	>= 45	ft-lbs, Drop Weight Impact Strength, -29Â°C; Basell Test Method

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	93.3 Â°C	200 Â°F	Unannealed; ASTM D648

Optical Properties	Metric	English	Comments
Gloss	86 %	86 %	Gardner, 60Â°; ASTM D523, tested in accordance with ASTM D2457

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