

LyondellBasell Astryn NXO-21001 Polypropylene Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Key Features: high melt flow, medium modulus polypropylene copolymer, high flow, excellent processability, excellent colorability
Applications: wire harnesses, housings, thin walled parts
Description: Astryn NXO-21001 high melt flow, unreinforced polypropylene copolymer is designed for injection molding thin-walled parts. It combines good properties with excellent processability.
 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-Astryn-NXO-21001-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.890 g/cc	0.0322 lb/in ³	ASTM D792B
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	Tool, Montell
Melt Flow	25 g/10 min @Load 2.16 kg, Temperature 230 °C	25 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	87	87	ASTM D785
Tensile Strength, Ultimate	19.0 MPa	2760 psi	ASTM D638
Tensile Strength, Yield	36.0 MPa	5220 psi	ASTM D638
Elongation at Break	280 %	280 %	ASTM D638
Elongation at Yield	7.0 %	7.0 %	ASTM D638
Flexural Modulus	1.10 GPa	160 ksi	1% secant at 0.05 in/min; ASTM D790A
Izod Impact, Notched	0.580 J/cm	1.09 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	87.0 °C	189 °F	ASTM D648

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