

LyondellBasell Astryn SZ021-2 Polypropylene Copolymer, 20% Talc

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Key Features: medium melt flow, medium modulus, mineral-filled, utility grade polypropylene copolymer, good impact and stiffness balance, versatile
Applications: inner door panels and seat supports
Description: Astryn SZ021-2 medium melt flow, 20% talc-filled, utility grade polypropylene copolymer has a very good combination of strength, stiffness and impact resistance. 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-SZ021-2-Polypropylene-Copolymer-20-Talc.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	ASTM D792B
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 230 °C	8.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	62	62	ASTM D785
Tensile Strength, Ultimate	14.0 MPa	2030 psi	ASTM D638
Tensile Strength, Yield	18.0 MPa	2610 psi	ASTM D638
Elongation at Break	30 %	30 %	ASTM D638
Elongation at Yield	4.0 %	4.0 %	ASTM D638
Flexural Modulus	1.20 GPa	174 ksi	Tangent at 0.05 in/min; ASTM D790A
Izod Impact, Notched	1.10 J/cm	2.06 ft-lb/in	ASTM D256A
Gardner Impact	18.0 J	13.3 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	89.0 °C	192 °F	ASTM D648

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