

LyondellBasell Astryn 75A6-2 Polypropylene Copolymer, 20% Calcium Carbonate

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Key Features: conventional melt flow, medium modulus, mineral-filled polypropylene copolymer, high impact, excellent chemical resistance, excellent aesthetics, high gloss, good colorability, good processability
Applications: ABS replacement, lawn mower decks, lawn and garden tools, appliance housings
Description: Astryn 75A6-2 conventional melt flow, 20% calcium carbonate-filled polypropylene copolymer has an excellent combination of properties, chemical resistance, aesthetics, colorability and 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-75A6-2-Polypropylene-Copolymer-20-Calcium-Carbonate.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ASTM D792B
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 230 °C	4.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	79	79	ASTM D785
Tensile Strength, Ultimate	17.0 MPa	2470 psi	ASTM D638
Tensile Strength, Yield	22.0 MPa	3190 psi	ASTM D638
Elongation at Break	450 %	450 %	ASTM D638
Elongation at Yield	8.0 %	8.0 %	ASTM D638
Flexural Modulus	1.20 GPa	174 ksi	Tangent at 0.05 in/min; ASTM D790A
Izod Impact, Notched	4.80 J/cm	8.99 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	80.0 °C	176 °F	ASTM D648

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