

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

Categories: [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.

Vendors: No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

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

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's [terms of use](#) regarding this information. [Click here](#) to view all the property values for this datasheet as they were originally entered into MatWeb.