

LyondellBasell Astryn CA743GA Polypropylene Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Key Features: low melt flow, low modulus, UV-stabilized polypropylene copolymer with antiblock, good heat seamability, good puncture resistance, plasticizer-free, excellent low temperature impact resistance, excellent chemical and environmental stress-cracking resistance, pelletize resin

Applications: geomembranes, sheet

Description: All ingredients meet TSCA (US) and DSL (Canada) registration requirements.

Astryn CA743GA low melt flow, UV-stabilized, flexible polypropylene copolymer with antiblock is designed for geomembranes. It is based on proprietary Montell process technology and sheet made from it can be blown, slot die-extruded or calendared, with or without scrim, into a final form. This UV-stabilized, pelletized resin, when blended with an N-110 carbon black polyolefin carrier masterbatch to a concentration of 2.75% by weight carbon black in the finished product, provides exceptional weatherability. All ingredients meet the chemical registration requirements of TSCA and DSL. 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-CA743GA-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792B
Melt Flow	1.2 g/10 min @Load 2.16 kg, Temperature 230 °C	1.2 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	6.00 MPa	870 psi	ASTM D638
Elongation at Yield	22 %	22 %	ASTM D638
Flexural Modulus	0.100 GPa	14.5 ksi	1% secant at 0.05 in/min; ASTM D790A

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