

LyondellBasell Astryn 7523C Polypropylene Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Key Features: conventional melt flow, medium modulus polypropylene copolymer, excellent impact and stiffness balance, excellent chemical resistance, versatile, good processability
Applications: automotive hush panels, kick plates, stowage bins
Description: Astryn 7523C conventional melt flow, precolored polypropylene copolymer has a good balance of impact resistance, flexibility 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-7523C-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 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	85	85	ASTM D785
Tensile Strength, Ultimate	19.0 MPa	2760 psi	ASTM D638
Tensile Strength, Yield	27.0 MPa	3920 psi	ASTM D638
Elongation at Break	400 %	400 %	ASTM D638
Elongation at Yield	9.0 %	9.0 %	ASTM D638
Flexural Modulus	1.00 GPa	145 ksi	Tangent at 0.05 in/min; ASTM D790A
Izod Impact, Notched	1.30 J/cm	2.44 ft-lb/in	ASTM D256A
Gardner Impact	21.0 J @Temperature -30.0 °C	15.5 ft-lb @Temperature -22.0 °F	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	79.0 °C	174 °F	ASTM D648

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