

LyondellBasell Astryn BA66K Polypropylene Copolymer, Flame Retardant

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Key Features: high melt flow, medium modulus, flame retardant polypropylene copolymer, high limiting oxygen index, non-halogenated, good aesthetics, excellent processability
Applications: batteries, electrical components
Description: Astryn BA66K high melt flow, UL 94 V-2 flame retardant polypropylene copolymer has an excellent combination of properties and processability. It is non-halogenated and was designed for applications which have stringent flammability requirements. 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-BA66K-Polypropylene-Copolymer-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.01 g/cc	0.0365 lb/in ³	ASTM D792B
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	Tool, Montell
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 230 °C	20 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	82	82	ASTM D785
Tensile Strength, Yield	21.0 MPa	3050 psi	ASTM D638
Elongation at Break	35 %	35 %	ASTM D638
Flexural Modulus	1.40 GPa	203 ksi	1% secant at 0.05 in/min; ASTM D790A
Izod Impact, Notched	0.270 J/cm	0.506 ft-lb/in	ASTM D256A
Gardner Impact	3.00 J	2.21 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	94.0 °C	201 °F	ASTM D648
Flammability, UL94	V-2 @Thickness 1.60 mm	V-2 @Thickness 0.0630 in	
Oxygen Index	38 %	38 %	ASTM D2863

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