

## LyondellBasell Astryn BA905-74 Polypropylene Copolymer, Flame Retardant

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

**Key Features:** medium high melt flow, medium high modulus, flame retardant, low specific gravity, good impact strength

**Applications:** battery jars, electrical components  
**Description:** Astryn BA905-74 medium high melt flow, UL 94 V-0 flame retardant polypropylene copolymer has a very good combination of properties and processability. It 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-BA905-74-Polypropylene-Copolymer-Flame-Retardant.php](http://www.lookpolymers.com/polymer_LyondellBasell-Astryn-BA905-74-Polypropylene-Copolymer-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in <sup>3</sup>	ASTM D792B
Linear Mold Shrinkage	0.014 cm/cm	0.014 in/in	Tool, Montell
Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 230 °C	12 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	93	93	ASTM D785
Tensile Strength, Yield	32.0 MPa	4640 psi	ASTM D638
Elongation at Break	225 %	225 %	ASTM D638
Flexural Modulus	1.50 GPa	218 ksi	1% secant at 0.05 in/min; ASTM D790A
Izod Impact, Notched	0.430 J/cm	0.806 ft-lb/in	ASTM D256A
Gardner Impact	2.00 J	1.48 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	85.0 °C	185 °F	ASTM D648
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	
Oxygen Index	30 %	30 %	ASTM D2863

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