

A. Schulman CP842-01 Hexene Copolymer LLDPE Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Injection Molded

Material Notes:

DescriptionCP 842-01 is a Hexene copolymer LLDPE resin designed for use in blown film applications. Blow up ratios of 2:1 or higher are recommended. ApplicationTypical applications of CP 842-01 include: stretch wrap, bags and sacks, Agricultural films, liners, as well as co-extruded structures. This resin is stabilized against oxidation under normal processing and meets FDA Regulation 21CFR177.1520(c)3.1.

Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-CP842-01-Hexene-Copolymer-LLDPE-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.918 g/cc	0.918 g/cc	ASTM D792
Melt Index of Compound	0.90 g/10 min	0.90 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	33.1 MPa	4800 psi	transverse direction; ASTM D882
	45.5 MPa	6600 psi	machine direction; ASTM D882
Elongation at Break	675 %	675 %	machine direction; ASTM D882
	750 %	750 %	50 mm/min; ASTM D638
	965 %	965 %	transverse direction; ASTM D882
Flexural Modulus	0.228 GPa	33.0 ksi	1% secant-machine direction; ASTM D882
	0.241 GPa	35.0 ksi	secant-transverse direction; ASTM D882
	0.365 GPa	53.0 ksi	tangent, 1.3 mm/min; ASTM D790
Tear Strength	390 kN/m	2230 pli	machine direction; ASTM D1922A
	650 kN/m	3710 pli	transverse direction; ASTM D1922A

Thermal Properties	Metric	English	Comments
Vicat Softening Point	99.0 °C	210 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	15 %	15 %	ASTM D1003
Gloss	45 %	45 %	45°; ASTM D2457

Optical Properties	Metric	English	Comments
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