

A. Schulman CP878-01 Natural Linear, Low-Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE

Material Notes:

DescriptionCP 878-01 Natural is a linear low-density polyethylene having good tensile, stiffness, and toughness properties. ApplicationCP 878-01 meets FDA Regulation 21 CFR 177.1520(c)3.1 and 3.2.Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-CP878-01-Natural-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.925 g/cc	0.925 g/cc	ASTM D792
Melt Index of Compound	0.80 g/10 min	0.80 g/10 min	Condition E; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	11.0 MPa	1600 psi	machine direction; ASTM D882
	13.1 MPa	1900 psi	transverse direction; ASTM D882
Elongation at Break	650 %	650 %	machine direction; ASTM D882
	800 %	800 %	transverse direction; ASTM D882
Flexural Modulus	0.276 GPa	40.0 ksi	machine direction; ASTM D882
	0.310 GPa	45.0 ksi	transverse direction; ASTM D882

Optical Properties	Metric	English	Comments
Gloss	55 %	55 %	45°; ASTM D2457

Processing Properties	Metric	English	Comments
Melt Temperature	125 °C	257 °F	

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