

## A. Schulman CP80-01 Linear Low-Density Polyethylene

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

### Material Notes:

Description CP 880-01 natural is a linear low-density polyethylene having good tensile, stiffness, and toughness properties. Application CP 880-01 meets FDA Regulation 21 CFR 177.1250(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-CP80-01-Linear-Low-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_A-Schulman-CP80-01-Linear-Low-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.922 g/cc	0.922 g/cc	ASTM D792
Melt Index of Compound	0.30 g/10 min	0.30 g/10 min	Condition E; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	11.0 MPa	1600 psi	transverse direction; ASTM D882
	13.8 MPa	2000 psi	machine direction; ASTM D882
Elongation at Break	400 %	400 %	machine direction; ASTM D882
	500 %	500 %	transverse direction; ASTM D882
Flexural Modulus	0.276 GPa	40.0 ksi	1% secant - machine direction; ASTM D882
	0.310 GPa	45.0 ksi	1% secant - transverse direction; ASTM D882

Optical Properties	Metric	English	Comments
Gloss	55 %	55 %	ASTM D2457

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

## Contact Songhan Plastic Technology Co.,Ltd.

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