

## A. Schulman CP810-01 Natural Linear, Low-Density Polyethylene

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

### Material Notes:

Description CP 810-01 is a linear low-density polyethylene resin with excellent molding characteristics and good low temperature impact.

Application CP 810-01 meets the specifications contained in FDA Regulation CFR 177.1520(c)3.1. Information provided by A. Schulman.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_A-Schulman-CP810-01-Natural-Linear-Low-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_A-Schulman-CP810-01-Natural-Linear-Low-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.926 g/cc	0.926 g/cc	ASTM D792
ESCR 100% Igepal®	>= 50 hour	>= 50 hour	Condition C; ASTM D1693
Melt Index of Compound	33 g/10 min @Load 2.16 kg, Temperature 190 °C	33 g/10 min @Load 4.76 lb, Temperature 374 °F	Condition E; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	53	53	ASTM D2240
Tensile Strength, Yield	13.1 MPa	1900 psi	2"/min; ASTM D638
Elongation at Break	120 %	120 %	2"/min; ASTM D638
Flexural Modulus	0.414 GPa	60.0 ksi	at 1% secant modulus; ASTM D790
Falling Dart Impact	27.1 J @Temperature -40.0 °C	20.0 ft-lb @Temperature -40.0 °F	ASTM 3029

Processing Properties	Metric	English	Comments
Melt Temperature	95.0 °C	203 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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