

A. Schulman CP808-01 Natural Linear, Low-Density Polyethylene

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

Material Notes:

Description CP 808-01 is a lineal low-density polyethylene having good processability and exceptional toughness in injection molded parts.

This compound has excellent flexibility, high impact strength, excellent stress crack resistance, and good gloss. Application CP 808-01 meets the specification contained in 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-CP808-01-Natural-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.924 g/cc	0.924 g/cc	ASTM D792
ESCR 100% Igepal®	250 hour	250 hour	Condition C; ASTM D1693
Melt Index of Compound	20 g/10 min @Load 2.16 kg, Temperature 190 °C	20 g/10 min @Load 4.76 lb, Temperature 374 °F	Condition E; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	45	45	ASTM D2240
Tensile Strength, Yield	11.0 MPa	1600 psi	2"/min; ASTM D638
Elongation at Break	175 %	175 %	2"/min; ASTM D638
Flexural Modulus	0.317 GPa	46.0 ksi	at 1% secant modulus; ASTM D790
Falling Dart Impact	28.5 J @Temperature -40.0 °C	21.0 ft-lb @Temperature -40.0 °F	ASTM D5420

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-68.0 °C	-90.4 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	122 °C	252 °F	

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