

A. Schulman CP814-01 Linear, Low-Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , MDPE , Linear Medium Density Polyethylene (LMDPE), Rotational Molded

Material Notes:

DescriptionCP 814-01 is a linear low-density polyethylene resin with excellent molding characteristics and good low temperature impact.

ApplicationCP814-01 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-CP814-01-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®	50 hour	50 hour	Condition C; ASTM D1692
Melt Index of Compound	50 g/10 min	50 g/10 min	Condition E; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	50	50	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	27.1 J @Temperature -40.0 °C	20.0 ft-lb @Temperature -40.0 °F	ASTM D5420

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-71.0 °C	-95.8 °F	ASTM D746

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

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