

A. Schulman LP390-01 Narrow Molecular Weight Copolymer

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Impact Grade

Material Notes:

Description LP 390-01 natural is a narrow molecular weight copolymer, high density polyethylene combining excellent impact strength with good environmental stress crack resistance. Application LP 390-01 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-LP390-01-Narrow-Molecular-Weight-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.953 g/cc	0.953 g/cc	ASTM D792
ESCR 100% Igepal®	5.0 hour	5.0 hour	Condition B; ASTM D1693
Melt Index of Compound	7.0 g/10 min @Load 2.16 kg, Temperature 190 °C	7.0 g/10 min @Load 4.76 lb, Temperature 374 °F	Condition E; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	59	59	ASTM D2240
Tensile Strength, Yield	22.8 MPa	3300 psi	2"/min; ASTM D638
Elongation at Break	100 %	100 %	2"/min; ASTM D638
Flexural Modulus	0.793 GPa	115 ksi	1% secant; ASTM D882
Izod Impact, Notched	>= 0.534 J/cm	>= 1.00 ft-lb/in	ASTM D256
Falling Dart Impact	32.5 J	24.0 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-92.0 °C	-134 °F	ASTM D746

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