

A. Schulman LP552-01 Narrow Molecular Weight Copolymer, High-Density Polyethylene

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

Material Notes:

Description LP 552-01 is a U.L. approved narrow molecular weight copolymer high-density polyethylene combining good flow with excellent stiffness and cold temperature impact strength. It has good toughness and stress crack resistance. Applications of LP 552-01 include food storage containers, housewares, toys, overcaps, and closures. This resin meets 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-LP552-01-Narrow-Molecular-Weight-Copolymer-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.953 g/cc	0.953 g/cc	ASTM D792
ESCR 100% Igepal®	1.0 hour	1.0 hour	Condition B; ASTM D1693
Melt Index of Compound	20 g/10 min	20 g/10 min	Condition E; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	22.1 MPa	3200 psi	ASTM D638
Elongation at Break	100 %	100 %	ASTM D638
Flexural Modulus	0.827 GPa	120 ksi	1% secant; ASTM D790
Falling Dart Impact	176 J @Temperature -40.0 °C	130 ft-lb @Temperature -40.0 °F	F50; ASTM D3056

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