

## A. Schulman LP554-01 Narrow Molecular Weight Homopolymer, High-Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Injection Molded

### Material Notes:

Description LP 554-01 is a narrow molecular weight homopolymer high-density polyethylene exhibiting toughness, rigidity and warpage resistance. Application Applications of LP 554-01 include crates, tote bins, cases and trays. This resin meets FDA Regulation 21 CFR 177.1520 (c) 2.1 and 2.2 Information provided by A. Schulman.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_A-Schulman-LP554-01-Narrow-Molecular-Weight-Homopolymer-High-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_A-Schulman-LP554-01-Narrow-Molecular-Weight-Homopolymer-High-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.965 g/cc	0.965 g/cc	ASTM D792
ESCR 100% Igepal®	1.0 hour	1.0 hour	Condition B; ASTM D1693
Melt Index of Compound	8.0 g/10 min @Load 2.16 kg, Temperature 190 °C	8.0 g/10 min @Load 4.76 lb, Temperature 374 °F	Condition E; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	ASTM D2240
Tensile Strength, Yield	24.1 MPa	3500 psi	2"/min; ASTM D638
Elongation at Break	>= 50 %	>= 50 %	2"/min; ASTM D638
Flexural Modulus	0.965 GPa	140 ksi	1% secant; ASTM D790
Izod Impact, Notched	0.534 J/cm	1.00 ft-lb/in	ASTM D256
Falling Dart Impact	31.2 J @Temperature -40.0 °C	23.0 ft-lb @Temperature -40.0 °F	F50; ASTM D3029

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-95.0 °C	-139 °F	ASTM D746

## Contact Songhan Plastic Technology Co.,Ltd.

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