

**Chevron Phillips LX8119 HDPE Injection Molding Resin (discontinued \*\*)**

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

**Material Notes:**

Resin Type: linear copolymer; ASTM D4976 Classification: PE 233, A 56700  
 Characteristics: warp resistant, excellent impact strength, excellent ESCR, moderate shrinkage resistance  
 Applications: seats, containers, food containers, agricultural applications, industrial applications  
 Information provided by Chevron Phillips Chemical Company.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Chevron-Phillips-LX8119-HDPE-Injection-Molding-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Chevron-Phillips-LX8119-HDPE-Injection-Molding-Resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.945 g/cc	0.0341 lb/in <sup>3</sup>	ASTM D4883
Apparent Bulk Density	0.590 g/cc	0.0213 lb/in <sup>3</sup>	ASTM D1895
Environmental Stress Crack Resistance	40 hour	40 hour	ASTM D1693B
Melt Flow	6.5 g/10 min @Load 2.16 kg, Temperature 190 °C	6.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	23.4 MPa	3390 psi	ASTM D638
Elongation at Break	>= 1000 %	>= 1000 %	ASTM D638
Flexural Modulus	0.8273 GPa	120.0 ksi	1% Secant; ASTM D 790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	122 °C	252 °F	ASTM D1525
Brittleness Temperature	<= -75.0 °C	<= -103 °F	ASTM D746

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