

Eastman 1840E Polyethylene (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Molded

Material Notes:

Polyethylene 1840E is a low-density formulation for general extrusion. Eastman Chemical Company sold its polyethylene business to Westlake Chemical Corporation in Dec. 2006. This grade no longer appears in the Westlake product line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eastman-1840E-Polyethylene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	ASTM D4883
Melt Flow	2.25 g/10 min @Load 2.16 kg, Temperature 190 °C	2.25 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	12.0 MPa	1740 psi	500 mm/min; ASTM D638
Tensile Strength, Yield	10.8 MPa	1570 psi	500 mm/min; ASTM D638
Elongation at Break	380 %	380 %	500 mm/min; ASTM D638
Flexural Modulus	0.269 GPa	39.0 ksi	2% Secant, 12.7 mm/min; ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	94.0 °C	201 °F	ASTM D1525
Brittleness Temperature	<= -73.0 °C	<= -99.4 °F	ASTM D746

Descriptive Properties	Value	Comments
Process	Film	

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