

Eastman E6838-862A Polyethylene (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE

Material Notes:

E6838-862A is a low density formulation suggested for injection molding applications, such as closures. Information supplied by the manufacturer. Information from manufacturer data sheet. 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-E6838-862A-Polyethylene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ASTM D4883
Melt Flow	1.7 g/10 min @Load 2.16 kg, Temperature 190 °C	1.7 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	11.7 MPa	1700 psi	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Tensile Strength, Yield	9.70 MPa	1410 psi	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Elongation at Break	500 %	500 %	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Flexural Modulus	0.179 GPa	26.0 ksi	2% Secant, 12.7 mm/min. (0.5 in./min.); ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	90.0 °C	194 °F	ASTM D1525
Brittleness Temperature	-73.0 °C	-99.4 °F	ASTM D746

Descriptive Properties	Value	Comments
Process	Injection Molding	

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