

Eastman E6837-539A Polyethylene (discontinued **)

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

Material Notes:

PolyethyleneE6837-539A is used in various injection molding applications including closures for containers or extrusion coating for high stiffness. It has good processability. This product may be used as a component of packages for holding all types of food.Applications/UsesFood - contact applicationsEastman 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-E6837-539A-Polyethylene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.945 g/cc	0.0341 lb/in ³	ASTM D4883
Melt Flow	5.5 g/10 min @Load 2.16 kg, Temperature 190 °C	5.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	10.3 MPa	1490 psi	500 mm/min; ASTM D638
Tensile Strength, Yield	23.4 MPa	3390 psi	500 mm/min; ASTM D638
Elongation at Break	80 %	80 %	500 mm/min; ASTM D638
Flexural Modulus	0.862 GPa	125 ksi	2% Secant, 12.7 mm/min; ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	108 °C	226 °F	ASTM D1525
Brittleness Temperature	<= -73.0 °C	<= -99.4 °F	ASTM D746

Descriptive Properties	Value	Comments
Process	Film	

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