

Eastman M3006-P Polyethylene (discontinued **)

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

Material Notes:

Medium density polyethylene M3006-P is a specialty formulation suggested for high speed extrusion coating applications. M3006-P offers improvements over low density polyethylene in barrier properties and high temperature resistance. 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-M3006-P-Polyethylene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.933 g/cc	0.0337 lb/in ³	ASTM D4883
Melt Flow	4.4 g/10 min @Load 2.16 kg, Temperature 190 °C	4.4 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	16.5 MPa	2390 psi	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Elongation at Break	67 %	67 %	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Flexural Modulus	0.572 GPa	83.0 ksi	2% Secant, 12.7 mm/min. (0.5 in./min.); ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	100 °C	212 °F	ASTM D1525
Brittleness Temperature	-47.0 °C	-52.6 °F	ASTM D746

Descriptive Properties	Value	Comments
Process	Coating	

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