

Eastman M3018-P Polyethylene (discontinued **)

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

Material Notes:

Low density polyethylene M3018-P is a specialty formulation suggested for low temperature extrusion coating applications. M3018-P has been found to exhibit good coatability and adhesion to various paper substrates when processed at melt temperatures of 204°C to 248°C. 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-M3018-P-Polyethylene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ASTM D4883
Melt Flow	28 g/10 min @Load 2.16 kg, Temperature 190 °C	28 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	8.00 MPa	1160 psi	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Tensile Strength, Yield	9.00 MPa	1310 psi	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Elongation at Break	280 %	280 %	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Flexural Modulus	0.172 GPa	24.9 ksi	2% Secant, 12.7 mm/min. (0.5 in./min.); ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	78.0 °C	172 °F	ASTM D1525
Brittleness Temperature	-15.0 °C	5.00 °F	ASTM D746

Descriptive Properties	Value	Comments
Process	Coating	

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