

**Eastman M2004-P Polyethylene (discontinued \*\*)**

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

**Material Notes:**

M2004-P polyethylene is suggested for applications such as spiral-wound can linings, release paper and photographic paper. M2004-P has been found to exhibit good barrier properties, temperature resistance, and stress crack 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-M2004-P-Polyethylene-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Eastman-M2004-P-Polyethylene-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.946 g/cc	0.0342 lb/in <sup>3</sup>	ASTM D4883
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 190 °C	10 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	25.0 MPa	3630 psi	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Tensile Strength, Yield	22.0 MPa	3190 psi	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Elongation at Break	30 %	30 %	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Flexural Modulus	0.896 GPa	130 ksi	2% Secant, 12.7 mm/min. (0.5 in./min.); ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	117 °C	243 °F	ASTM D1525
Brittleness Temperature	<= -73.0 °C	<= -99.4 °F	ASTM D746

Descriptive Properties	Value	Comments
Process	Coating	

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