

## Eastman 184MF Polyethylene Film (discontinued \*\*)

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

### Material Notes:

Polyethylene 184MF is a low-density formulation with medium slip and low antiblock. It is suggested for film applications where enhanced processability and high clarity are required. It is characterized by good tear strength, impact strength, wide heat-sealing range and printability. An additive in this formulation limits the use of 184MF to nonalcoholic foods, and the average thickness of such polymers in the form in which they contact food shall not exceed 0.0050 inch. Applications/Uses Food packaging Household wraps Household bags 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-184MF-Polyethylene-Film-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Eastman-184MF-Polyethylene-Film-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Base Resin Density	0.921 g/cc	0.0333 lb/in <sup>3</sup>	ASTM D4883
Water Vapor Transmission	18.6 g/m <sup>2</sup> /day	1.20 g/100 in <sup>2</sup> /day	ASTM F372
Oxygen Transmission	200 cc-mm/m <sup>2</sup> -24hr-atm	508 cc-mil/100 in <sup>2</sup> -24hr-atm	ASTM D3985
Thickness	31.75 microns	1.250 mil	
Base Resin Melt Index	2.5 g/10 min	2.5 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	24.0 MPa	3480 psi	ASTM D882
Film Tensile Strength at Yield, TD	10.0 MPa	1450 psi	ASTM D882
Film Elongation at Break, MD	300 %	300 %	ASTM D882
Film Elongation at Break, TD	550 %	550 %	ASTM D882
Secant Modulus, MD	0.172 GPa	24.9 ksi	0.01; ASTM D882
Secant Modulus, TD	0.193 GPa	28.0 ksi	0.01; ASTM D882
Coefficient of Friction	0.25	0.25	ASTM D1894
Elmendorf Tear Strength, MD	10.08 g/micron	256.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	5.35 g/micron	136 g/mil	ASTM D1922
Dart Drop	2.36 g/micron	59.9 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	20.0 MPa	2900 psi	ASTM D882

Film Tensile Strength at Break, TD	16.0 MPa	2320 psi	ASTM D882
Mechanical Properties	Metric	English	Comments

Thermal Properties	Metric	English	Comments
Vicat Softening Point	94.0 °C	201 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	4.5 %	4.5 %	ASTM D1003
Gloss	75 %	75 %	at 45°; ASTM D2457
Transmission, Visible	50 %	50 %	Transparency; ASTM D1746

Descriptive Properties	Value	Comments
Process	Film	

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