

## Eastman 1870A Polyethylene (discontinued \*\*)

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

### Material Notes:

Polyethylene 1870A is a low density formulation with excellent flow characteristics for injection molding. It is used for such applications as container closures that require stress-crack resistance. Polyethylene 1870E is used for general-purpose extrusion applications. This formula complies with FDA regulations at 21 CFR 177.1520 (c) (2.2) for cooking applications. Users must make their own determination that their use of this product is safe, legal, and technically suitable for their intended applications. 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-1870A-Polyethylene-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Eastman-1870A-Polyethylene-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in <sup>3</sup>	ASTM D 4883
Melt Flow	7.4 g/10 min @Load 2.16 kg, Temperature 190 °C	7.4 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	9.70 MPa	1410 psi	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Tensile Strength, Yield	10.3 MPa	1490 psi	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Elongation at Break	400 %	400 %	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Flexural Modulus	0.207 GPa	30.0 ksi	2% Secant, 12.7 mm/min. (0.5 in./min.); ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	93.0 °C	199 °F	ASTM D1525
Brittleness Temperature	-73.0 °C	-99.4 °F	ASTM D746

Descriptive Properties	Value	Comments
Process	Extrusion	
Process	Injection Molding	

Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China