

**Eastman 1830A Polyethylene (discontinued \*\*)**

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

**Material Notes:**

Polyethylene 1830A is a low density formulation. It is suggested for injection molding applications requiring good stiffness or gloss properties . It us used in applications such as closures.Polyethylene 1830A meets the requirements of FDA regulations at 21 CFR 177.1520 (c) (2.2) and may be used as a component of packages used for holding food during cooking.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-1830A-Polyethylene-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Eastman-1830A-Polyethylene-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in <sup>3</sup>	ASTM D 4883
Melt Flow	1.7 g/10 min @Load 2.16 kg, Temperature 190 °C	1.7 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	11.7 MPa	1700 psi	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Tensile Strength, Yield	10.7 MPa	1550 psi	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Elongation at Break	500 %	500 %	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	94.0 °C	201 °F	ASTM D1525
Brittleness Temperature	<= -73.0 °C	<= -99.4 °F	ASTM D746

Descriptive Properties	Value	Comments
Process	Injection	

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