

Eastman 1830E Polyethylene (discontinued **)

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

Material Notes:

Polyethylene 1830E is a low density formulation. It is suggested for general purpose extrusion applications, such as tubing and blow molding. Polyethylene 1830E meet the requirements of FDA regulation 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-1830E-Polyethylene-nbspdiscontinued-.php

| Physical Properties | Metric | English | Comments |
|---------------------|--|--|-------------|
| Density | 0.920 g/cc | 0.0332 lb/in ³ | 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 | Extrusion | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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