

## Eastman 808E Polyethylene (discontinued \*\*)

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

### Material Notes:

Low density polyethylene 808E is a general-purpose formulation used general-purpose extrusion. Under regulations administered by the US FDA, 808E may lawfully be used as articles or components of articles intended for use in contact with food subject to provisions in 21 CFR 177.1520 and 21 CFR 174. Unless otherwise noted, all tests are run at 23°C and 50% RH. 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-808E-Polyethylene-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Eastman-808E-Polyethylene-nbspdiscontinued-.php)

| Physical Properties | Metric                               | English                              | Comments   |
|---------------------|--------------------------------------|--------------------------------------|------------|
| Density             | 0.917 g/cc                           | 0.0331 lb/in <sup>3</sup>            | ASTM D4883 |
| Melt Flow           | 7.0 g/10 min                         | 7.0 g/10 min                         | ASTM D1238 |
|                     | @Load 2.16 kg,<br>Temperature 190 °C | @Load 4.76 lb,<br>Temperature 374 °F |            |

| 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    | 9.70 MPa  | 1410 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           | 0.193 GPa | 28.0 ksi | 2% Secant, 12.7 mm/min. (0.5 in./min.); ASTM D790     |

| Thermal Properties      | Metric      | English     | Comments   |
|-------------------------|-------------|-------------|------------|
| Vicat Softening Point   | 88.0 °C     | 190 °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.

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