

Eastman 811A Polyethylene (discontinued **)

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

Material Notes:

Injection grade. With its high melt index, the material flows well in molding machines and fills large molds with ease. It is used for molding housewares and other items where a flexible, easy molding formula is desired. 811 natural as supplied by Eastman Chemical may lawfully be used in food contact (noncooking) subject to FDA 21 CFR 177.1520(c)(2.1). 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-811A-Polyethylene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.916 g/cc	0.0331 lb/in ³	ASTM D4883
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 190 °C	20 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	9.00 MPa	1310 psi	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Tensile Strength, Yield	9.00 MPa	1310 psi	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Elongation at Break	300 %	300 %	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Flexural Modulus	0.172 GPa	24.9 ksi	2% Secant, 12.7 mm/min. (0.5 in./min.); ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	85.0 °C	185 °F	ASTM D1525
Brittleness Temperature	-45.0 °C	-49.0 °F	ASTM D746

Descriptive Properties	Value	Comments
Process	Injection Molding	

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