

Eastman Tenite Polyethylene 1810A Low Density Polyethylene - Molding (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Molded

Material Notes:

Product Description: TENITE Polyethylene 1810A contains NO ADDITIVES. It is suggested for injection molding applications. TENITE Polyethylene 1810A meets the requirements of FDA regulation 21 CFR 177.1520(c)(2.2) and may be used as a component of packages used for holding food during cooking. **Technical Data Sheet Comments:** Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given. Information provided by Eastman Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eastman-Tenite-Polyethylene-1810A-Low-Density-Polyethylene-Molding-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	ASTM D4883
Melt Flow	0.70 g/10 min @Load 2.16 kg, Temperature 190 °C	0.70 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	13.8 MPa	2000 psi	500 mm/min (20 in./min); ASTM D638
Tensile Strength, Yield	11.0 MPa	1600 psi	500 mm/min (20 in./min); ASTM D638
Elongation at Break	500 %	500 %	500 mm/min (20 in./min); ASTM D638
Flexural Modulus	0.221 GPa	32.1 ksi	2% Secant; ASTM D 790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	95.0 °C	203 °F	ASTM D1525
Brittleness Temperature	-73.0 °C	-99.4 °F	ASTM D746

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