

Eastman 18BOA Polyethylene (discontinued **)

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

Material Notes:

Polyethylene 18BOA is a low density formulation used for injection molding. It is an outstanding material for molding lids and other container closures because it processes easily on automatic molding equipment to produce molded items with excellent gloss, clarity, and warpage resistance. This formula complies with FDA regulations at 21 CFR177.1520 (c)(2.2) for use in articles for packing and holding food during cooking. Users must make their own determination that their use of this product is safe, legal, and technically suitable for their intended applications. 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-18BOA-Polyethylene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 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	8.00 MPa	1160 psi	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Tensile Strength, Yield	11.0 MPa	1600 psi	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Elongation at Break	90 %	90 %	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Flexural Modulus	0.228 GPa	33.1 ksi	2% Secant, 12.7 mm/min. (0.5 in./min.); ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	90.0 °C	194 °F	ASTM D1525
Brittleness Temperature	-45.0 °C	-49.0 °F	ASTM D746

Descriptive Properties	Value	Comments
Process	Injection Molding	

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