

Eastman 812P Polyethylene (discontinued **)

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

Material Notes:

Polyethylene 812A is a natural low density material with a 200 melt index. Its high melt index exhibits excellent wettability. This makes it ideal as a carpet backing to bind fibers to the carpet. 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-812P-Polyethylene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.909 g/cc	0.0328 lb/in ³	ASTM D4883
Melt Flow	200 g/10 min @Load 2.16 kg, Temperature 190 °C	200 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	6.20 MPa	899 psi	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Tensile Strength, Yield	7.60 MPa	1100 psi	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Elongation at Break	100 %	100 %	500 mm/min (20 in./min.); ASTM D638, Type IV Specimen
Flexural Modulus	0.103 GPa	14.9 ksi	2% Secant, 12.7 mm/min. (0.5 in./min.); ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	67.0 °C	153 °F	ASTM D1525
Brittleness Temperature	-28.0 °C	-18.4 °F	ASTM D746

Descriptive Properties	Value	Comments
Process	Injection Molding	

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