



Westlake Polymers LP

EC 808
Low Density
Polyethylene

Application/Uses

- Foil
- Food packaging
- Laminating
- Playing Cards
- Toys/Sporting goods

Product Description

WESTLAKE low-density polyethylene 808P is a general-purpose formulation used for injection molding, general-purpose extrusion, extrusion coating and laminating. It can be drawn down to low coatings weight, is processable at high speeds, has a good moisture barrier and is heat-sealable at low temperatures.

Typical Properties

Property ^a	Test ^b Method	Typical Value, Units ^c
Melt Index (Condition 190°C/2.16 kg)	D 1238	7 g/10 min
Density	D 4883	917 (0.917)
Vicat Softening Temperature	D 1525	88°C (190°F)
Brittleness Temperature	D 746	<-73°C (<-99°F)
Tensile Stress @ Yield 500 mm/min (20 in./min)	D 638 Type IV Specimen	10 MPa (1500 psi)
Tensile Stress @ Break 500 mm/min (20 in./min)	D 638 Type IV Specimen	10 MPa (1500 psi)
Elongation @ Break 500 mm/min (20 in./min)	D 638 Type IV Specimen	400%
Flexural Modulus (2% Secant) 12.7 mm/min (0.5 in./min)	D 790	207 MPa (30000 psi)

^a Unless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.

^b Unless noted otherwise, the test method is ASTM.

^c Units are in SI or US customary units.

Applications

WESTLAKE polyethylene formula 808P is a low density resin designed for applications, such as sugar pouches and freezer wrap, where high coating speeds and good drawdown are required. The combination of high melt index and low density also provides good heat seals at high packaging or sealing rates.

General

Where required, specimens are compression molded according to ASTM D1928.

Comments

Properties reported here are typical of average lots. Westlake makes no representation that the material in any particular shipment will conform exactly to the values given.

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