



Westlake Polymers

Enhancing your life every day

SC74849

Linear Low Density Polyethylene

Application/Uses

- Fresh produce packaging
- Blends for GP Clarity Packaging

Product Description

WESTLAKE HIFOR Xtreme Polyethylene SC74849 is a high strength linear low density polyethylene designed for blown film extrusion. This resin contains no slip, no antiblock, and polymer processing aid. Films produced with this resin exhibit extreme toughness, with excellent gloss and clarity for a product of this density. Features of this resin include high stiffness and high ultimate tensile strength.

Typical Physical Properties

Property		Test Method	Typical Value, Units
Melt Index		D 1238	0.55 g/10 min
Density		D 1505	925 kg/m ³ (0.925 g/cm ³)
Haze		D 1003	6.5 %
Gloss @ 45°		D 2457	70
Dart Impact		D 1709	60 g/mil
Tensile Strength @ Break	MD	D 882	50 (7300 psi)
	TD	D 882	39 (5700 psi)
Elongation @ Break	MD	D 882	950 %
	TD	D 882	1000 %
1% Secant Modulus	MD	D 882	386 (56000 psi)
	TD	D 882	511 (74000 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.

^d Seal initiation temperature is the temperature at which 200g/inch seal strength is achieved.

NOTES

Gauge of test specimens 1.0 mil fabricated on a 6" die, 2.5" 24:1 L:D barrier screw, 2.4:1 BUR, 100-mil die gap, 15" frostline height, 450° F melt temperature, and 7.5 lb/hr/inch die output. Density results are on Base Resin.

FDA

This product has some 21 CFR clearances. Please contact Westlake Product Regulatory Department for statements.

PROCESSING

For processing temperatures, please contact Westlake Technical Services (903-242-7693)

COMMENTS

Properties reported here are based on limited testing. Westlake makes no representation that the material in any particular shipment will conform exactly to the values given.

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