



Westlake Polymers

Enhancing your life every day

SC74836

Linear Low Density Polyethylene

Application/Uses

- Fresh produce packaging

Product Description

WESTLAKE HIFOR Xtreme Polyethylene SC74836 is a high strength linear low density polyethylene designed for blown film extrusion. This resin contains no slip, no antiblock and 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	0.6 g/10 min
Density		D 1505	926 kg/m ³ (0.926 g/cm ³)
Haze		D 1003	9.0 %
Gloss @ 45°		D 2457	60
Dart Impact		D 1709	150 g/mil
Tensile Strength @ Break	MD	D 882	61 (8900 psi)
	TD	D 882	43 (6300 psi)
Elongation @ Break	MD	D 882	750 %
	TD	D 882	1150 %
1% Secant Modulus	MD	D 882	248 (36000 psi)
	TD	D 882	317 (46000 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

Blown film processing temperatures of 400° F – 420° F are recommended for Westlake SC74836.

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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