



Westlake Polymers

Enhancing your life every day

SC74845

Linear Low Density Polyethylene

Application/Uses

- Fresh produce packaging

Product Description

WESTLAKE HIFOR Xtreme SC74845 polymer is a high strength linear low density polyethylene designed for blown film extrusion that contains medium slip and high antiblock. Films produced with this resin exhibit balanced toughness. Other features of this resin include good machine direction tear resistance.

Typical Physical Properties

<u>Property</u>		<u>Test Method</u>	<u>Typical Value, Units</u>
Melt Index		D 1238	1.0 g/10 min
Density		D 1505	917 kg/m ³ (0.917 g/cm ³)
Haze		D 1003	18.0 %
Gloss @ 45°		D 2457	40
Dart Impact		D 1709	250 g/mil
Tensile Strength @ Break	MD	D 882	50 (7300 psi)
	TD	D 882	39 (5700 psi)
Elongation @ Break	MD	D 882	750 %
	TD	D 882	1000 %
1% Secant Modulus	MD	D 882	200 (29000 psi)
	TD	D 882	227 (33000 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 SC74845.

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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