



Westlake Polymers

Enhancing your life every day

SC74853

Linear Low Density Polyethylene

Application/Uses

- Fresh produce packaging

Product Description

WESTLAKE HIFOR Xtreme SC74853 polymer is a high strength linear low density polyethylene designed for blown film extrusion that contains no slip, high antiblock and processing aid. Films produced with this resin exhibit excellent toughness. Other features of this resin include good impact strength and good machine direction tear resistance.

Typical Physical Properties

Property		Test Method	Typical Value, Units
Melt Index		D 1238	0.5 g/10 min
Density		D 1505	917 kg/m ³ (0.917 g/cm ³)
Haze		D 1003	18.0 %
Gloss @ 45°		D 2457	50
Dart Impact		D 1709	750 g/mil
Tensile Strength @ Break	MD	D 882	59 (8500 psi)
	TD	D 882	45 (6500 psi)
Elongation @ Break	MD	D 882	600 %
	TD	D 882	900 %
1% Secant Modulus	MD	D 882	186 (27000 psi)
	TD	D 882	207 (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.

^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 SC74853.

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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