



# Westlake Polymers

Enhancing your life every day

# SC74859

Linear Low Density Polyethylene

## Application/Uses

- Fresh produce packaging

## Product Description

WESTLAKE HIFOR Xtreme SC74859 polymer is a high strength linear low density polyethylene designed for blown film extrusion that contains no slip, high antiblock and high processing aid.

### Typical Physical Properties

<u>Property</u>		<u>Test Method</u>	<u>Typical Value, Units</u>
Melt Index		D 1238	0.6 g/10 min
Density		D 1505	926 kg/m <sup>3</sup> (0.926 g/cm <sup>3</sup> )
Haze		D 1003	17.0 %
Gloss @ 45°		D 2457	55
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)

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

<sup>b</sup> Unless noted otherwise, the test method is ASTM.

<sup>c</sup> Units are in SI or US customary units.

<sup>d</sup> 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 SC74859.

## 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.

*Westlake and its marketing affiliates shall not be responsible for the use of this information, or of any product, method, or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. No warranty is made of the merchantability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.*

**WESTLAKE CHEMICAL CORPORATION**  
2801 Post Oak Blvd Suite 600 Houston, Texas  
Customer Service: 1-800-545-9577