



Westlake Chemical

SC74842

Linear Low Density Polyethylene

Application/Uses

- Fresh produce packaging

Product Description

WESTLAKE HIFOR Xtreme SC74842 polymer is a high strength and good clarity linear low density polyethylene designed for blown film extrusion that contains no slip and no antiblock. Films produced with this resin exhibit balanced toughness. Other features of this resin include good clarity and 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	8.0 %
Gloss @ 45°		D 2457	60
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 resin grade complies with 21 CFR 177.1520. For further information, please contact Product Regulatory Compliance.

PROCESSING

Blown film processing temperatures of 400° F – 420° F are recommended for Westlake Chemical SC74842.

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