



## Application/Uses

- Frozen food films
- High clarity bread bags
- Ice bags

## Product Description

WESTLAKE Hifor Clear Polyethylene SC74580 polymer is a high strength and high clarity linear low density polyethylene designed for blown film extrusion that contains no slip and no antiblock. It does contain processing aid. Blown films produced with this resin exhibit good toughness, with exceptional gloss and clarity for a product of this density, yet film blocking is substantially lower than one might expect. Film stiffness is also higher than one might expect for this density. It works well in many shrink film applications. Contact Westlake for further information on the regulatory status.

## 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	4.0 %
Gloss @ 45°		D 2457	82
Dart Impact		D 1709	100 g/mil
Tensile Strength @ Break	MD	D 882	58 (8200 psi)
	TD	D 882	38 (5500 psi)
Elongation @ Break	MD	D 882	600 %
	TD	D 882	950 %
1% Secant Modulus	MD	D 882	324 (47000 psi)
	TD	D 882	379 (55000 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 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 SC74580.

## 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.*