



Westlake Polymers

Enhancing your life every day

SC74580

Linear Low Density Polyethylene

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

Property		Test Method	Typical Value, Units
Melt Index		D 1238	0.6 g/10 min
Density		D 1505	926 kg/m ³ (0.926 g/cm ³)
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)

^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 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.

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