



Westlake Polymers

Enhancing your life every day

SC74558

Linear Low Density Polyethylene

Application/Uses

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

Product Description

WESTLAKE Hifor Clear Polyethylene SC74558 is a high strength and high clarity linear low density polyethylene designed for blown film extrusion that contains medium slip and low antiblock additives. Films produced with this resin exhibit good toughness, with excellent gloss and clarity for a product of this density. SC74558 is well suited for packaging frozen goods, fruits and vegetables, and baked goods.

Typical Physical Properties

Property		Test Method	Typical Value, Units
Melt Index		D 1238	1.0 g/10 min
Density		D 1505	920 kg/m ³ (0.920 g/cm ³)
Haze		D 1003	6.5 %
Gloss @ 45°		D 2457	75
Dart Impact		D 1709	160 g/mil
Tensile Strength @ Break	MD	D 882	41 (6000 psi)
	TD	D 882	28 (4000 psi)
Elongation @ Break	MD	D 882	650 %
	TD	D 882	900 %
1% Secant Modulus	MD	D 882	234 (34000 psi)
	TD	D 882	276 (40000 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 SC74558.

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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