Manufacturer website: https://www.westlake.com/

Westlake Polyethylene™

HIFOR XTREME® SC74858

High-Strength Linear Low Density Polyethylene

Technical Data Sheet

Applications

- Fresh produce packaging

Product Description

HIFOR XTREME® SC74858 is a high-strength, high-clarity hexene LLDPE designed for blown film extrusion that contains process aid but no slip or antiblock. Films produced with this resin exhibit excellent toughness as well as good impact strength and machine direction tear resistance.

Typical Physical Properties

Property [a]		Test Method [b]	Typical Value, Units [c]
Melt Index (Conditions 190°C/2.16 kg)		D 1238	0.5 g/10 min
Density (Base Formulation)		D 1505	917 kg/m3 (0.917 g/cm3)
Dart Impact		D 1709	750 g
Haze (Base Formulation)		D 1003	8.0%
Gloss @ 45° (Base Formulation)		D 2457	65
Tensile Strength @ Break	M.D. T.D.	D 882 D 882	58.6 MPa (8,500 psi) 44.8 MPa (6,500 psi)
Elongation@ Break	M.D. T.D.	D 882 D 882	600% 900%
1% Secant Modulus	M.D. T.D.	D 882 D 882	186.2 MPa (27,000 psi) 206.8 MPa (30,000 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.

Notes

Test specimens for blown film: nominal thickness 1.0 mil; blow-up ratio 2.4:1, die gap 100 mils.

Processing

Melt temperatures of 410°F-450°F are recommended for HIFOR XTREME® SC74858 with blow-up ratios of 1.5:1 or higher.

Regulatory Compliance

This product has some 21 CFR clearances. Please contact your Westlake Sales Representative for food contact statements.

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.

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