Westlake Polyethylene™

HIFOR CLEAR® SC74558

Clarified Linear Low Density Polyethylene

Technical Data Sheet

Applications

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

Product Description

HIFOR CLEAR® SC74558 is a high-strength and high-clarity hexene LLDPE that contains process aid, low slip, and no antiblock. Films produced with this resin exhibit good toughness with excellent gloss and clarity.

Typical Physical Properties

Property [a]		Test Method [b]	Typical Value, Units [c]
Melt Index		D 1238	1.0 g/10 min
Density		D 1505	920 kg/m3 (0.920 g/cm3)
Dart Impact		D 1709	160 g
Haze		D 1003	6.5%
Gloss @ 45°		D 2457	75
Tensile Strength @ Break	M.D. T.D.	D 882 D 882	41.4 MPa (6,000 psi) 27.6 MPa (4,000 psi)
Elongation @ Break	M.D. T.D.	D 882 D 882	650% 900%
1% Secant Modulus	M.D. T.D.	D 882 D 882	234.4 MPa (34,000 psi) 275.8 MPa (40,000 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 2.5:1, die gap 100 mils.

Processing

Melt temperatures of 410°F - 450°F are recommended for HIFOR CLEAR® SC74558 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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