

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/m ³ (0.920 g/cm ³)
Dart Impact		D 1709	160 g
Haze		D 1003	6.5%
Gloss @ 45°		D 2457	75
Tensile Strength @ Break	M.D.	D 882	41.4 MPa (6,000 psi)
	T.D.	D 882	27.6 MPa (4,000 psi)
Elongation @ Break	M.D.	D 882	650%
	T.D.	D 882	900%
1% Secant Modulus	M.D.	D 882	234.4 MPa (34,000 psi)
	T.D.	D 882	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.

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