

Technical Data Sheet

Applications

- Blown film extrusion
- Heavy-duty films

Product Description

HIFOR XTREME® SC74875 is an enhanced hexene LLDPE designed for blown film extrusion applications requiring high strength and clarity. It contains process aid and high stabilization but no slip or antiblock.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index (Conditions 190°C/2.16 kg)		D 1238	0.75 g/10 min
Density (Base Formulation)		D 1505	915 kg/m ³ (0.915 g/cm ³)
Dart Impact		D 1709	350 g
Haze (Base Formulation)		D 1003	4.0%
Gloss @ 45° (Base Formulation)		D 2457	78
Tensile Strength @ Break	M.D. T.D.	D 882 D 882	52.4 MPa (7,600 psi) 34.5 MPa (5,000 psi)
Elongation@ Break	M.D. T.D.	D 882 D 882	700% 950%
1% Secant Modulus	M.D. T.D.	D 882 D 882	172.4 MPa (25,000 psi) 193.1 MPa (28,000 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® SC74875 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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