

Technical Data Sheet

Applications

- Can liners
- Heavy-duty films

Product Description

HIFOR XTREME® SC74874 is an enhanced hexene LLDPE designed for blown film extrusion of can liners and heavy-duty films. This material contains low slip, high anti-block, and process aid for high-speed extrusion.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index (Conditions 190°C/2.16 kg)		D 1238	0.85 g/10 min
Density (Base Formulation)		D 1505	917 kg/m ³ (0.917 g/cm ³)
Dart Impact		D 1709	450 g
Elmendorf Tear Resistance	M.D.	D 1922	440 gf
	T.D.	D 1922	650 gf
Tensile Strength @ Break	M.D.	D 882	46.2 MPa (6,700 psi)
	T.D.	D 882	33.8 MPa (4,900 psi)
Elongation@ Break	M.D.	D 882	775%
	T.D.	D 882	975%
1% Secant Modulus	M.D.	D 882	158.6 MPa (23,000 psi)
	T.D.	D 882	165.5 MPa (24,000 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 420°F-440°F are recommended for HIFOR XTREME® SC74874 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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