

Technical Data Sheet

Applications

- General packaging resin

Product Description

HIFOR XTREME® SC74889 is a high-strength, good clarity hexene linear low density polyethylene designed for blown film extrusion. Films produced with this resin exhibit balanced toughness as well as good clarity. This product does not contain slip or antiblock. No processing aid is intentionally added to this product.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index (Condition 190°C/2.16 kg)		D 1238	1.0 g/10 min
Density (Base Formulation)		D 1505	917 kg/m ³ (0.917 g/cm ³)
Dart Impact		D 1709	250 g
Haze (Base Formulation)		D 1003	8.0%
Gloss @ 45° (Base Formulation)		D 2457	60
Tensile Strength @ Break	M.D. T.D.	D 882 D 882	50.3 MPa (7,300 psi) 39.3 MPa (5,700 psi)
Elongation @ Break	M.D. T.D.	D 882 D 882	750% 1,000%
1% Secant Modulus	M.D. T.D.	D 882 D 882	199.9 MPa (29,000 psi) 227.5 MPa (33,000 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 - 440°F are recommended for HIFOR XTREME® SC74889 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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