

Technical Data Sheet

Applications

- Blown film extrusion
- Heavy duty sacks and film

Product Description

HIFOR XTREME® SC74882 is a high-strength hexene linear low density polyethylene designed for blown film extrusion of heavy duty shipping sacks and films that contains low slip, very high antiblock, and processing aid. Films produced with this resin exhibit excellent toughness. Other features of this resin include good impact strength and machine direction tear resistance.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index (Condition 190°C/2.16 kg)		D 1238	0.85 g/10 min
Density (Base Formulation)		D 1505	915 kg/m3 (0.915 g/cm3)
Dart Impact		D 1709	750 g
Haze (Base Formulation)		D 1003	25.0%
Gloss @ 45° (Base Formulation)		D 2457	38
Tensile Strength @ Break	M.D. T.D.	D 882 D 882	29.6 MPa (4,300 psi) 25.5 MPa (3,700 psi)
Elongation @ Break	M.D. T.D.	D 882 D 882	600% 900%
1% Secant Modulus	M.D. T.D.	D 882 D 882	137.9 MPa (20,000 psi) 137.9 MPa (20,000 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 XTREME® SC74882 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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