

## Westlake Hifor SC74561-F Clear (Voridian) Polyethylene Film, Using Energx Technology Services (discontinued \*

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Molded

### Material Notes:

VORIDIAN HIFOR CLEAR SC74558-F polymer is a high strength and high clarity polyethylene designed for blown film extrusion that contains medium slip and low antiblock additives. Films produced with this resin exhibit good toughness, with excellent gloss and clarity for a product of this density. SC74558-F is well suited for packaging frozen goods, fruits and vegetables, and baked goods. Applications/Uses Bakery Film Frozen Food Packaging Blown film Eastman Chemical Company sold its polyethylene business to Westlake Chemical Corporation in Dec. 2006. This grade no longer appears in the Westlake product line.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Westlake-Hifor-SC74561-F-Clear-Voridian-Polyethylene-Film-Using-Energx-Technology-Services-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Westlake-Hifor-SC74561-F-Clear-Voridian-Polyethylene-Film-Using-Energx-Technology-Services-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Base Resin Density	0.920 g/cc	0.0332 lb/in <sup>3</sup>	ASTM D1505
Thickness	25.0 microns	0.984 mil	ASTM D374
Base Resin Melt Index	1.0 g/10 min	1.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	12.0 MPa	1740 psi	ASTM D882
Film Tensile Strength at Yield, TD	10.0 MPa	1450 psi	ASTM D882
Film Elongation at Break, MD	650 %	650 %	ASTM D882
Film Elongation at Break, TD	900 %	900 %	ASTM D882
Secant Modulus, MD	0.234 GPa	33.9 ksi	0.01; ASTM D882
Secant Modulus, TD	0.276 GPa	40.0 ksi	0.01; ASTM D882
Elmendorf Tear Strength, MD	8.00 g/micron	203 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	24.0 g/micron	610 g/mil	ASTM D1922
Dart Drop	6.40 g/micron	163 g/mil	ASTM D1709A
Film Tensile Strength at Break, MD	41.0 MPa	5950 psi	ASTM D882
Film Tensile Strength at Break, TD	28.0 MPa	4060 psi	ASTM D882
Heat Seal Strength Initiation Temperature	102 °C	216 °F	Eastman

Optical Properties	Metric	English	Comments
Haze	6.5 %	6.5 %	ASTM D1003
Gloss	75 %	75 %	at 45°; ASTM D2457
Transmission, Visible	90 %	90 %	clear; thickness not quantified

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