

## Westlake Hifor Xtreme SC74860-F Polyethylene (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Blow Molding Grade

### Material Notes:

Hifor Xtreme Polyethylene SC74860-F is recommended for the core layer of cast stretch film. It provides excellent clarity and ultimate stretch values higher than the more conventional 2.0-2.5 MI cast stretch core resins. It is designed for machine wrap and hand wrap applications where good processability and low gel content are needed. Applications: Cast film Films Stretch Film HIFOR Xtreme SC74860-F polyethylene is recommended for the core layer of cast stretch film. It provides excellent clarity and ultimate stretch values higher than the more conventional 2.0-2.5 MI cast stretch core resins. It is designed for machine wrap and hand wrap applications where good processability and low gel content are needed. Information from manufacturer data sheet. 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-Xtreme-SC74860-F-Polyethylene-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Westlake-Hifor-Xtreme-SC74860-F-Polyethylene-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in <sup>3</sup>	ASTM D4883
Thickness	20.3 microns	0.800 mil	
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 190 °C	4.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	9.00 MPa	1310 psi	ASTM D882
Film Tensile Strength at Yield, TD	7.00 MPa	1020 psi	ASTM D882
Film Elongation at Break, MD	570 %	570 %	ASTM D882
Film Elongation at Break, TD	840 %	840 %	ASTM D882
Secant Modulus, MD	0.152 GPa	22.0 ksi	1% Secant; ASTM D882
Secant Modulus, TD	0.158 GPa	22.9 ksi	1% Secant; ASTM D882
Elmendorf Tear Strength MD	550 g	550 g	
Elmendorf Tear Strength TD	630 g	630 g	
Elmendorf Tear Strength, MD	27.0 g/micron	686 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	31.0 g/micron	787 g/mil	ASTM D1922
Dart Drop	6.90 g/micron	175 g/mil	ASTM D1709A
Film Tensile Strength at Break, MD	30.0 MPa	4350 psi	ASTM D882

Mechanical Properties	Metric	English	Comments
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Optical Properties	Metric	English	Comments
Haze	1.4 %	1.4 %	ASTM D1003
Gloss	95 %	95 %	at 45°; ASTM D2457

Descriptive Properties	Value	Comments
Process	Film	

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