

**CHEMFILM VB®** is the only ultra high temperature (600EF), highly conformable (550% elongation), and chemically inert vacuum bagging film available. Compare the data shown for CHEMFILM VB versus other materials typically used in composite fabrication in order to understand its superior performance, particularly for complex shapes and high temperature resins.

Film Product	Elongation (%)	Max Temp. (°F)
CHEMFILM VB	550	600
Nylon® 6	300	400
Nylon® 66	300	450
Nylon® 6/66	400	420
Kapton®	90	800

#### BENEFITS

- Most conformable film for complex contours at elevated temperatures due to:
  - Higher elongation
  - Conforms better under stress
- Successfully used up to 600°F
 

**NOTE:** Adequate ventilation should be provided at temperatures above 535°F
- Chemically inert to all resin systems
- Unmatched drapability inherent to CHEMFAB VB cast film when compared to an extruded or skived material
- Free of pinholes
- Storable for indefinite time without special storage conditions
- Receptive to adhesives and sealant tapes

Property	Method	Value
<b>MECHANICAL</b>		
Gauge (mil)	ASTM D-882-83	3.0
Tensile Strength (psi)	ASTM D-882-83	4,300
Elongation (%)	ASTM D-882-83	550
Elastic Modulus (psi)	ASTM D-882-83	55,000
Yield Stress (psi)	ASTM D-882-83	1,400
Yield Strain (psi)	ASTM D-1505	2.5
<b>THERMAL</b>		
Melt Point (psi)	ASTM D-1457-83	327°C/621°F
Maximum Continuous Serv. Temp.	ASTM D-150	260°C/500°F
Coefficient of Linear Thermal Exp.	ASTM D-696	5.5 x 10 <sup>-5</sup> in./in. °F

Values shown are typical. Certified test reports for writing specifications are available.

**Standard Roll Size:** 50" x 175' **Colors:** Natural, green

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**Saint-Gobain Performance Plastics Corporation**  
 14 McCaffrey Street  
 Hoosick Falls, NY 12090  
**Customer Service: (800) 962-2666**  
 Tel: (518) 686-7301  
 Fax: (800) 526-8479, (518) 686-4840  
[www.plastics.saint-gobain.com](http://www.plastics.saint-gobain.com)

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