

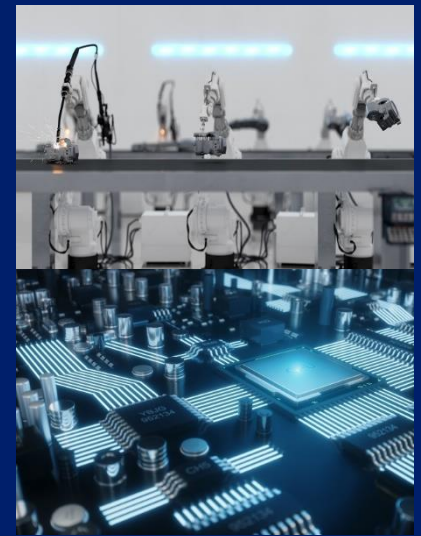
## Unclad materials for gaskets, etc.

### Benefits

- Excellent Mechanical Properties
- Ideal for Harsh Environments
- Low Coefficient of Friction
- High Temperature Resistance
- Excellent Chemical and Wear Resistance

### Applications

- Laminates for Seals/Gaskets



TLM is a mechanical product line consisting of PTFE coated fiberglass fabrics that are engineered to provide excellent mechanical properties. TLM is used primarily for seals and gaskets that are subjected to harsh environments.

Properties	Conditions	Typical Value	Unit	Test Method
<b>Electrical Properties</b>				
Surface Resistivity	Elevated Temp.	6.605 x 10 <sup>8</sup>	Mohms	
	Humidity Cond.	3.550 x 10 <sup>6</sup>	Mohms	
<b>Thermal Properties</b>				
Max. Operating Temperature	Unclad	500 (260)	°F (°C)	
<b>Mechanical Properties</b>				
Density	Specific Gravity	2.25	g/cm <sup>3</sup>	
Flexural Strength	MD	199 (28,900)	N/mm <sup>2</sup> (psi)	
	CD	142 (20,600)	N/mm <sup>2</sup> (psi)	
Tensile Strength	MD	245 (35,600)	N/mm <sup>2</sup> (psi)	
	CD	190 (27,500)	N/mm <sup>2</sup> (psi)	
Elongation at Break	MD	3.94	%	
	CD	3.92	%	
Young's Modulus	MD	6,757 (980)	N/mm <sup>2</sup> (kpsi)	
	CD	8,274 (1,200)	N/mm <sup>2</sup> (kpsi)	
Poisson's Ratio		0.135		
<b>Chemical / Physical Properties</b>				
Flammability		UL 94		
Moisture Absorption		0.02	%	

Typical Thicknesses	
Inches	mm
TLM-0140s 14 mil (0.35 mm)	TLM-0140s 14 mil (0.35 mm)
TLM-0200 20 mil (0.508 mm)	TLM-0200 20 mil (0.508 mm)
TLM-0620 62 mil (1.57 mm)	TLM-0620 62 mil (1.57 mm)
TLM-1250 125 mil (3.175 mm)	TLM-1250 125 mil (3.175 mm)

\* All test data provided are typical values and not intended to be specification values. For review of critical specification tolerances, please contact a company representative directly.

\* Standard sheet size is 36" x 48" (914 mm x 1220 mm).

\* Please contact AGC for availability of additional thicknesses, other sizes & any other type of cladding.

