



## Acculam® Siliglas G7 Product Data Sheet

### Product Description

Acculam® Siliglas G7 - Laminate sheet comprised of a high performance silicone resin and a woven fiberglass substrate. It qualifies to NEMA G-7 and MIL-I-24768/17.

### Typical Applications

This material has high heat resistance, low dissipation factor, and excellent arc resistance. It is flame resistant with low smoke evolution, and meets the needs of Class "H" insulation. It is used in high frequency telecom equipment, transformers and items subjected to high heat.

### Typical Properties

#### Physical Data

Typical Properties	Typical Value	Units
Specific Gravity/Density	1.75	g/cm <sup>3</sup>
Water Absorption -.125"	< .35	%
Temperature Index	220 \ 428	°C \ °F
Rockwell Hardness	100	M scale
Bond Strength	> 700 \ 320	lbs \ kgs
Flexural Strength-LW-A-.125"	> 25,000 \ 173	PSI \ MPa
Flexural Strength-CW-A-.125"	> 22,000 \ 152	PSI \ MPa
Izod Impact Strength-LW	> 10	ft-lbs/in
Izod Impact Strength-CW	> 8	ft-lbs/in
Compressive Strength-Flatwise	> 47,000 \ 324	PSI \ MPa

#### Electrical Data

Dielectric Breakdown-A	> 50	kV
Dielectric Breakdown-D48/50	> 30	kV
Permittivity-A	< 4.0	
Arc Resistance-A	180	SEC
Dissipation Factor-A	0.003	
Dissipation Factor-D24/23	0.020	

Accurate provides this data as information only and does not imply any warranty for its use or application.



•18 Morris Place  
Yonkers, NY 10705, USA

•33 Tech Park Drive  
E. Falmouth, MA 02536, USA

001 (914) 476-0700 - phone  
001 (914) 476-0533 - facsimile  
sales@acculam.com - e-mail

Dallas, Texas (Corporate Offices)  
Houston, Texas  
Brandon, Mississippi

phone 800-782-1836 / 214-239-3870  
phone 800-282-4388 / 713-979-0660  
phone 800-457-8623 / 601-825-7919

fax 214-239-3871  
fax 713-979-0664  
fax 601-825-7109