



Acculam® Phenolglas G3 Product Data Sheet

Product Description

Acculam® Phenolglas G3 - Laminate sheet comprised of a high temperature phenolic resin binder and a woven fiberglass substrate. It qualifies to NEMA G-3 and MIL-I-24768/18.

Typical Applications

This material has good heat resistance, high mechanical strength and low thermal expansion. It finds applications in motor slot insulation, valve plates, and other applications requiring good thermal insulation characteristics.

Typical Properties

Typical Value

Units

Physical Data

Specific Gravity/Density	1.85	g/cm ³
Water Absorption -.125"	< 2.0	%
Temperature Index	170 \ 338	°C \ °F
Rockwell Hardness	100	M scale
Bond Strength	> 850 \ 386	lbs \ kgs
Flexural Strength-LW-A-.125"	> 40,000 \ 276	PSI \ MPa
Flexural Strength-CW-A-.125"	> 30,000 \ 207	PSI \ MPa
Izod Impact Strength-LW	> 9	ft-lbs/in
Izod Impact Strength-CW	> 7	ft-lbs/in
Compressive Strength-Flatwise	> 50,000 \ 345	PSI \ MPa

Electrical Data

Dielectric Breakdown-A	> 50	kV
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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