



Acculam® Matrix HT™ *high temp* Product Data Sheet

Product Description

Laminate sheet comprised of high temperature thermoset resin binders and a woven fiberglass substrate.

Typical Applications

This material has high heat resistance, high balanced mechanical strength and low thermal expansion.

Typical Properties

Physical Data

	<u>Typical Value</u>	<u>Units</u>
Specific Gravity	1.81	
Water Absorption-.125"	< 0.6	%
Tg-DMA method-.125"	280 \ 536	°C \ °F
Rockwell Hardness	117	M scale
Bond Strength	> 1450 \ 658	LBS \ kgs
Flexural Strength 0.062" thick:		
• Lengthwise (LW)- conditon Ambient	> 60,000 \ 414	PSI \ MPa
• Crosswise(CW)- condition Ambient	> 60,000 \ 414	PSI \ MPa
• LW & CW at 150C / 302F x 1 hour	> 50,000 \ 345	PSI \ MPa
• LW & CW at 220C / 428F x 1 hour	> 35,000 \ 241	PSI \ MPa
• LW & CW at 260C / 500F x 1 hour	> 30,000 \ 207	PSI \ MPa
Izod Impact Strength-LW	> 17	ft-lbs/in
Izod Impact Strength-CW	> 14	ft-lbs/in
Compressive Strength-Flatwise	> 60,000 \ 414	PSI \ MPa
Shear Strength-A-.125"	> 20,000 \ 138	PSI \ MPa

Electrical Data

Dielectric Strength-Step by Step-.125"	> 450	VPM
Arc Resistance	>180	seconds

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