



RESIN SYSTEM: GP 404



Tg (GLASS TRANSITION TEMPERATURE)

Tg	Compositon
406°F / 208°C	Neat Resin
406°F / 208°C	Laminate

TYPICAL MATERIAL PROPERTIES (Laminate)

TEMPERATURE °F	Tensile Strength Ksi	Tensile Modulus Msi	Flex Strength Ksi	Flex Modulus Msi	Compressive Strength Ksi	Compressive Modulus Msi	Shear Strength psi
72	45.55	3.60	79.55	3.10	43.13	3.74	3912
320	44.50	3.52	61.24	3.23	33.93	2.94	3161

EXPOSURE TO WATER @ HIGH PRESSURE | Test Specimens - 1/8" thick x 2" dia plate, edge not sealed

Weight Gain (%)		Time (Hours)	Temp (°F)	Pressure (Ksi)
Neat Resin	Laminate			
0.47	0.24	4	72	20
3.33	0.92	4	300	20
6.36	1.81	12	300	20

EXPOSURE TO WATER @ AMBIENT PRESSURE

Weight Gain (%)		Time (Days)	Temp (°F)
Neat Resin	Laminate		
2.66	0.46	1	200
3.14	0.58	2	200
3.91	0.85	7	200
4.23	0.96	14	200
4.64	1.04	28	200
5.25	0.98	56	200
8.54	1.30	98	200

CTE (Coefficient of Thermal Expansion) by TMA - Neat Resin

Temperature	CTE in/in/°F
72 to 300°F	45.55 x 10 ⁻⁶

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