



POMALUX GF Glass filled

Glass filled POMALUX heavy gauge sheet has high creep resistance and flexural modulus that approaches the value of metals such as brass, zinc, and aluminum. Its heat deflection temperature of 322°F at 264 psi loading is ideal for high load/high temperature applications.

Available in:

Sheet: 3/8" to 4" thick
 Widths: 12", 24", 48"
 Lengths: 48" (custom sizes available)

Stress Free: All POMALUX GF sheet is inherently stress free and annealed.

Note: Any machining operation impacts stress to the part. For close tolerances work post machining annealing is recommended to maintain dimensional tolerances.

General Properties	Temp	Units	ASTM	25% Glass Reinforced
Physical				
Specific Gravity	73°F	gms/cc	D792	1.59
Water Absorption 24 hrs	73°F	%	D570	0.29
Mechanical				
Tensile Strength @ Yield	73°F	psi	D638	16,000
Tensile Elongation @ Break	73°F	%	D638	2-3
Tensile Modulus	73°F	10 ³ psi	D638	1200
Flexural Yield Strength	73°F	psi	D790	-
Flexural Modulus	73°F	10 ³ psi	D790	1,050
Izod Impact				
Notched	-40°F	ft-lbs/in	D256	-
Notched	73°F	ft-lbs/in	D256	1.1
Compressive Strength		10 ³ psi	D695	-
Hardness Rockwell	73°F			M84
Thermal				
Deflection Temp. 264psi		°F	D648	322
66psi		°F	D648	331
Cof. of Thermal Exp.		In/in/°F	D696	2.2 x 10 ⁻⁵
Thermal Conductivity		BTU/hr/Sq.ft/°F/in		-
UL Standard		.60"	UL94	-
Electrical				
Dielectric Cons. 50% RH	73°F	Hz	D150	4.04 x 10 ⁶
Dissipation Factor 50% RH	73°F	Hz	D150	.007 x 10 ⁶
Volume Resist. Dry	73°F	ohm/cm	D257	-