

Fabric Summary

G-03 A light weight custom woven glass fabric for general purpose use.

G-05 A heavy weight custom woven glass fabric for larger diameter piping and structures.

G-22 This highly conformable Bear™ knitted glass fabric is for use on complicated geometry systems such as tee's, couplings and valves

C-2 A custom sewn bi-axial carbon fabric for use there high strength and/or modulus is required

Product	G-03	G-05	G-22 Bear™	C-2
Reinforcement	Woven bi-axial glass	Woven bi-axial glass	Knitted glass	Bi-axial carbon
Cured wrap thickness mils.	16	28.5	38	37
Tensile strength warp direction ksi.	60,900	45,400	31555	77605
Tensile strength fill direction psi.	32,429	45,400	31555	48,330
Tensile modulus warp direction msi.	3.02	2.28	1.98	6.45
Tensile modulus fill direction msi.	2.16	2.28	1.98	4.30
Long term tensile load per ply lbs/in	956	1299	1196	2341

Sizes

2" Wide x 5-feet • 2" Wide x 12-feet

3" Wide x 10-feet • 3" Wide x 30-feet

4" Wide x 15-feet • 4" Wide x 30-feet • 4" Wide x 50-feet

6" Wide x 15-feet • 6" Wide x 30-feet • 6" Wide x 60-feet • 6" Wide x 90-feet

10" Wide x 30-feet • 10" Wide x 60-feet • 10" Wide x 90-feet • 10" Wide x 120-feet • 10" Wide x 150-feet

12" Wide x 30- feet • 12" Wide x 60-feet • 12" Wide x 90-feet • 12" Wide x 120-feet • 12" Wide x 150-feet

PRODUCT PROPERTIES			
Working Time:	30-40 min. at 25°C (77°F)	Mix Ratio:	No mixing required
Application Temps:	1-93°C (33-200°F)	Service Temps:	-40 - 121°C (-40 - 250°F)
Cure Time (dry to touch):	30-60 minutes at 25°C (77°F)	Full Cure:	2 days at 25°C (77°F)
Usual Packaging:	Pre-Packaged Rolls	Shelf Life:	1 year
Chemical Resistance:	Acetone, mek, toluene, gaso- line, ethyl alcohol and many others	Hardness:	90 Shore D - ASTM D-2240



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