4 oz Fabric: 50 inch wide

Part # - 262

3.64 oz/sq yd, 50" Wide, .0059" Thick, 24 x 22 Plain Weave
The most frequently used surfacing fabric. This is commonly used to stop print through when backed by layers of heavier fabric in molded parts. Great for strip built canoes and final layering over moldless designs.

Product Properties	
Style	1522
Finish	627
Weave Pattern	Plain
Yard Description	Warp: ECG 150 1/2 Fill: ECG 150 1/2
Count: Ends x Picks (in)	24 x 22
Weight:	3.64 oz / yd^2
Breaking Strength: (lb / in)	Warp: 65 lb / in Fill: 60 lb / in
Thickness	0.0059 in
Roll Length	125 yd

DESCRIPTION

Woven fabrics are strong reinforcements because the fibers are bundled into yarns oriented in just two directions. The warp and fill yarns run at 0 and 90 degrees respectively. Thus, fabrics are anisotropic, or strong in only two directions.

Fabrics need to be oriented so the fiber yarns run parallel to the expected loads. If extra strength is needed in a different direction, another ply must be added at an angle to the first. The most common angles are +/- 45 degrees.

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Resin Compatibility:

262 (4 oz Fabrics), are compatible with Polyester, Vinyl Ester, and Epoxy Resins.

Fibre Glast Developments Corporation
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GENERAL PROPERTIES FOR WOVEN FABRICS:

High Tensile Strength:
Glass is one of the strongest textile fibers, having greater specific tensile strength than steel wire of the same diameter, at a lower weight

***Dimensional Stability*:**
Low elongation under load, generally 3% or less. Glass fibers produce fabrics with excellent dimensional stability under various types of conditions.

High Heat Resistance:
Glass fabrics have excellent dimensional stability under various types of conditions.

Fire Resistance:
Composed of inorganic materials, glass fabrics are noncombustible, a natural choice where flammability is a concern.

***Chemical Resistance*:**
Like glass itself, fiberglass fabrics are highly resistant to attack by most chemicals.

Durability:
Being inert, glass fabrics are unaffected by sunlight, fungus, or bacteria.

Economical:
Glass fabrics are lower in cost than many other fabrics for smaller applications.

Weave Pattern Rankings:

	Thickness	Weight	Strength	Porosity
Plain	3	1	3	1
Twill	2	1	4	2
4-Harness Satin	3	1	4	2
8-Harness Satin	1	1	7	4
Leno	7	7	1	7
Mock Leno	6	1	2	4

This was a scale from 1 to 7, with 1 being the lowest and 7 being the highest

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