



Style 6781 S2-Glass

Part # - 1543

9 oz/sq yd, 50" Wide, .097" thick, 58 x 54 construction, 8H Satin Weave

This Style 6781 S2-Glass is identical to the Style 7781 E-Glass (#543) except it is woven with superior S-2 fibers resulting in extraordinary strength with a superior look and finish.

Product Properties	
Style	6781
Finish	497A
Weave Pattern	8 HS
Yard Description	Warp: SCG 75 1/0 Fill: SCG 75 1/0
Count: Ends x Picks (in)	58 x 54
Weight:	8.85 oz / yd ²
Breaking Strength: (lb/in)	Warp: 221 lb / in Fill: 235 lb / in
Thickness	0.0097 in
Roll Length	500 yd

DESCRIPTION

S-2 Fiberglass has high tensile strength, high heat & chemical resistance, and is dimensionally stable. The resulting composite fabric meets or exceeds military, aerospace, and other relevant specifications.

The 6781 style is the most popular aerospace fabric in use today. 1543 is woven with superior S-2 fibers resulting in extraordinary strength with a superior look and finish.

Resin Compatibility:

1543, Style 6781 S2- Glass, is compatible with Polyester, Vinyl Ester, and Epoxy Resins.

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