1543 Style 6781 S2-Glass Fabric

Overview: 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

Available in 1, 3, and 5 yard packages, custom cuts starting at 10 yards, and full rolls.

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.

Specific Product Properties:

Style	6781
Weave Pattern	8-Harness Satin
Yarn Description	Warp: SCG 75 1/0
	Fill: SCG 75 1/0
Count (Ends x Picks) inches	58 x 54
Weight	8.85 oz/yard^2
Breaking Strength (lb/in)	Min Spec for Warp: 221 lb/in
	Min Spec for Fill: 235 lb/in
Thickness	0.0097 inches
Certified to	AMS C 9084

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.

Resin Compatibility:

Part Number	Polyester Resin	Vinyl Ester Resin	System 2000 Epoxy
1543	x	x	x

An "X" means the fabric is compatible with the resin.
The compatibility is based on Fibre Glast Development's resins only.