

# 543/2543

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## Style 7781 E-Glass



Product Properties	
Style	7781
Finish	Compatible with Polyester, Vinyl Ester, & Epoxy
Weave Pattern	8H Satin
Yarn Description	Warp: ECG 75 2/2 - Fill: ECG 75 2/2
Count: Ends x Picks (in)	55-60 x 52-56
Weight	9.0-10.2 oz/yd <sup>2</sup>
Breaking Strength (lb/in)	Warp: >150 lb/in - Fill: >150 lb/in
Thickness	0.008-0.012 in
Roll Length	125 Yards

9 oz/sq yd, 38" Wide, .008" Thick, 8H Satin Weave. Frequently specified in aerospace applications, this fabric offers excellent strength, formability, and surfacing characteristics.

### 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.

### This Materials Can Be Certified To Meet:

- AMS-C-9084 Type VIII-B (Class 1 & 2)
- ASTM 4039-09 Style 7781
- AMS 3824A Style 7781

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