

## AWS Product Specification

### 0.5" x 5" Locator Pin

- **Configuration, Dimensions and Tolerances** per AWS Product Drawing No. 550601.
- The **material** from which the Pin is made must be fiberglass consisting of thermoset isophthalic polyester resin and E-glass, pultruded into solid rods, cut to length and cured.
- The **surface finish** of the Pin must be smooth and free from stains, cracks, lumps, steps or indentations greater than 0.004" (0.10 mm).
- The **straightness** of the Pin must be within 0.06" per foot when tested in accordance with ASTM D3917.
- The **maximum water absorption** of the Pin is 0.1% when tested in accordance with ASTM D570.
- The **minimum short beam shear strength** of the Pin is 6,400 psi when tested in accordance with ASTM D4475.
- The **minimum flexural strength** of the Pin is 100,000 psi when tested in accordance with ASTM D4475.
- A Pin supplier must provide both absorption and short beam shear results with each batch/lot of pins supplied. A batch or lot is defined for purposes of this provision as up to 25,000 pins.
- A Pin supplier must at least annually have a qualified independent testing lab verify compliance with this specification, and supply a copy of the lab's report to AWS.