



ALPHA

engineered composites

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ALPHA – TEMP FH 6511-1 RED 36”

PRODUCT DESCRIPTION: One Side Uncured Silicone Coated Fiberglass

PRODUCT COMPOSITION [GAUGE]

| | ENGLISH |
|---|---------|
| Silicone Rubber – proprietary formulation | 0.006” |
| Side One –uncured silicone rubber | 0.006” |
| Primed Fiberglass Fabric – style 1165 plain weave | 0.005” |
| Interleave – polyethylene liner | 0.003” |

PHYSICAL PROPERTIES

TEST METHOD

ENGLISH

| | | |
|--------------------------------|-----------------------------|--|
| Composite Weight | ASTM D3776 | 12.0 oz/yd ² +/- 1.5 |
| Nominal Thickness | ASTM D1777 | 0.011” +/- .0015” |
| Tensile Strength [rubber only] | ASTM D412 | 700 lbs/inch min |
| Tear Strength [rubber only] | ASTM D624 | 40 lbs/inch |
| Elongation [rubber only] | ASTM D412 | 300% min |
| Durometer | Shore A | 55 +/-5 |
| Operating Temperature | | -70°F [-70°C] to +500°F [+232°C] No Delamination |
| Base Fabric/Weave | Style 1165 fiberglass/plain | |
| Tensile Strength | ASTM D5035 | warp 100 lbs/inch fill 140 lbs/inch |
| Bond Strength | ASTM D413 | 6.0 lbs/inch min |
| Color | | Red Iron Oxide |
| Dielectric Strength | | 400 – 600 volts/mil |
| UL Recognition | UL 94 HB at 200°C | Card E201556 |
| Product Shelf Life | 75°F dry storage conditions | Six months From mfg. date |
| Flame Testing | ASTM D6413 | 25 second flame/afterglow 3.0 inch maximum char |

DATA SHEET 14116 REV: B DATE: 10/01/13

Specializing in marine, aerospace, automotive and commercial fabrics for thermal and industrial applications

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