



ALPHA

engineered elastomers

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ALPHA – TEMP FH 6511-1 RED 36”

PRODUCT DESCRIPTION: One Side Uncured Silicone Coated Fiberglass

PRODUCT COMPOSITION [GAUGE]

Silicone Rubber – proprietary formulation
Side One –uncured silicone rubber

ENGLISH

0.006”
0.006”

Primed Fiberglass Fabric – style 1165 plain weave
Interleave – polyethylene liner

0.005”
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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