



# ALPHA

engineered composites

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## ALPHA – TEMP FH 2815-6 3/5.5 “RED 38”

PRODUCT COMPOSITION [GAUGE]		ENGLISH
Silicone Rubber – proprietary formulation		0.0085”
Side One –cured silicone rubber		0.003”
Side Two – uncured silicone rubber		0.0055”
Primed Fiberglass Fabric – style 7628 plain weave		0.008”
Interleave – polyethylene liner		0.003”
PHYSICAL PROPERTIES	TEST METHOD	ENGLISH
Composite Weight	ASTM D3776-96	16.8 oz/yd <sup>2</sup> +/- 1.5
Nominal Thickness	ASTM D1777-96	0.015” +/- .002”
Tensile Strength [rubber only]	ASTM D412-92	1000 lbs +/- 100
Tear Strength [rubber only]	ASTM D624	100 lbs
Elongation [rubber only]	ASTM D412-92	250% +/- 30
Durometer	Shore A	55 +/-5 cured side
Low Temperature Resistance	-70°F [-70°C]	Remains Flexible No Delamination
High Temperature Resistance	+500°F [+232°C]	Remains Flexible No Delamination
Base Fabric/Weave	Style 7628 fiberglass/plain	
Tensile Strength	ASTM D5035-95	warp 250 lbs/inch Fill 200 lbs/inch
Color		Red Iron Oxide
Dielectric Strength		400 to 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

DATA SHEET 14160 REV: B DATE: 2/25/2015

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

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