



# ALPHA

engineered composites

145 Lehigh Avenue, Lakewood, NJ 08701

T: 732.634.5700 F: 732.634.1430 alphainc.com

## ALPHA-TEMP FH2827-2 RED 38"

PRODUCT COMPOSITION [GAUGE]		ENGLISH
Silicone Rubber – proprietary formulation		0.019"
Side One – uncured silicone rubber		0.0095"
Side Two – uncured silicone rubber		0.0095"
Primed Fiberglass Fabric – style 7628 plain weave		0.008"
Interleave – polyethylene liner		0.003"

  

PHYSICAL PROPERTIES	TEST METHOD	ENGLISH
Composite Weight	ASTM D3776	28 oz/yd <sup>2</sup> +/- 2.0
Nominal Thickness	ASTM D1777	0.027" +/- 0.003"
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 7328 fiberglass/plain	
Tensile Strength	ASTM D5035	Warp - 250 lbs/inch Fill - 200 lbs/inch
Bond Strength	ASTM D413	6.0 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
Flame Testing	ASTM D6413	25 second flame/afterglow 3.0 inch maximum char

DATA SHEET 14112 REV: D DATE: 10/01/2013

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

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