

FDA White Silicone

STYLE 8830

CHEMICAL NAME:	Polysiloxane
ASTM D-2000 CLASSIFICATION:	FC, FE, GE
DUROMETERS AVAILABLE:	30 thru 95 ± 5 (Shore A)
TENSILE STRENGTH RANGE:	200 to 1500 psi
ELONGATION (MAX):	700%
SPECIFIC GRAVITY (POLYMER):	0.95 – 1.6 (type dependant)
TEMPERATURE RANGE (F°):	-150° to +450° F
WEATHER & SUNLIGHT AGING:	Excellent
HEAT AGING @ 212°F:	Excellent
OXIDATION:	Excellent
OZONE:	Excellent
RESISTANCE TO:	
ABRASION:	Fair
TEAR:	Fair
HYDROCARBON SOLVENTS/OIL:	Poor
ACID; DILUTE/CONCENTRATE:	Good/Fair
ALKALI; DILUTE/CONCENTRATE:	Excellent
FLAME:	Fair+
WATER SWELL:	Excellent
REBOUND/RESILIENCE:	Good
IMPACT STRENGTH:	Poor
ADHESION TO METAL:	Good
ELECTRICAL RESISTIVITY:	Excellent

ADDITIONAL COMMENTS:

Our 8830 Silicone is a White FDA food grade silicone which shows a low compression set with good resilience. It has excellent resistance to weather and sunlight aging, heat, ozone, and oxidation. It can be used in very low temperatures. Used where required to meet FDA approved ingredients.

Finish is plate (smooth).

Thicknesses: 1/16", 3/32", 1/8", 3/16", 1/4"

Widths: 36", 48"