

## JBL UL94 Listed Silicone Material Specifications

Properties	ASTM Test	Tolerance	JBL Part Numbers		
			S7395-60	S7416-70	S7310-70
Color	N/A	N/A	Grey	Rust	Green
UL Rating			V-0, V-1, V-2, HB	HB	HB
Typical Temperature Range	N/A	N/A	400F to -65F	400F to -65F	400F to -65F
Hardness (Shore A)	D2240	+/- 5	60	70	70
Tensile Strength (PSI)	D412	Min.	450	900	900
Elongation (%)	D412	Min.	300	200	150
100% Modulus (PSI)	D412	Min.	300	500	600
Compression Set	D395	Max.			
22 hrs @ 100C			15	10	10
70 hrs @ 150C			60	25	65
22 hrs @ 177C			40	30	50

Unless otherwise noted, these are test values from a limited number of samples and should not be used for establishing specific limits.

### Underwriter's Laboratory (UL) Listed TechSeal Silicone Materials

Compound Number	S7442-40	S7395-60	S7426-60	S7310-70	S7416-70
UL 94 V-0		X (0.031") (.79mm)			
UL 94HB		X (0.011") (.25mm)		X (0.059")(1.5mm)	X (0.059")(1.5mm)
UL 157 JMLU2	X	X	X		
UL 497			X		
UL50		X			
Low Temp. Brittleness	-67F (-55°C)	-85F (-65°C)	-67F (-55°C)	-67F (-55°C)	-65F (-55°C)

Minimum wall thickness approved by UL in parentheses.

## UL94 V-0, V-1, & V-2 Requirements

Criteria Conditions	V-0	V-1	V-2
Afterflame - Persistence of flaming of a material, after the ignition source has been removed Afterflame Test - Time for each specification	< or = 10s	< or = 30s	< or = 30s
Total Afterflame Time - The length of time for which a material continues to flame, under specified conditions, after the ignition source has been removed. Total Afterflame Time Test - For 5 samples	< or = 50s	< or = 250s	< or = 250s
Afterglow Time - The length of time for which a material continues to glow under specified test conditions, after the ignition source has been removed and/or cessation of flaming. Afterflame Plus Afterglow Time Test - For each individual specification after second flame application	< or = 30s	< or = 60s	< or = 60s
Afterglow - Persistence of glowing of a material, after cessation of flaming or, if no flaming occurs, after the removal of the ignition source. Test - Afterflame or Afterglow of any specification	No	No	No
Cotton indicator ignited by flaming particles or drops	No	No	Yes