

S50 TS – Red/Rust Color

High Tear Strength Silicone 50 Durometer

Specification: MIL-ZZR-765, Class 2A and 2B

<u>Original Properties:</u>	<u>Required Result</u>
Hardness, Shore A, pts	50+/-5
Tensile Strength, psi, min	1200
Elongation, min, %, min	300
Tear resistance, Kgf/cm (Die C/ Die B)	NS
Modulus at 100%, ASTM D412, psi	NS
Modulus at 200%, ASTM D412, psi	NS
Modulus at 300%, ASTM D412, psi	NS
Specific Gravity	
A19 <u>Heat Resistance: 70 h at 225C, ASTM D573</u>	
Hardness Change, pts, Shore A	+10
Tensile Strength Change, %	-25
Elongation Change, %	-30
Volume Change, %	
B37 Compression Set, 22 h at 175C, ASTM D395 Method B (Slab)	25
EA14 <u>Water Resistance, 70 h at 100C, ASTM D471</u>	
Hardness Change, pts, Shore A	+/-5
Tensile Strength Change, %	
Elongation Change, %	
Volume Change, %	+/-5
F19 Low Temperature Resistance, ASTM D2137, Method A, 9.3.2, Nonbrittle after 3 min at -55C	Pass