

S I L E X

S I L I C O N E S



Certificate No. 0372

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SIL-X-300-FFF

Preliminary Typical Physical Properties

PROPERTY	TEST METHOD	VALUE
PHYSICAL		
Density, lb/.in ³ , max (less than ¼") (¼" or more)	AMS 3195	Approx. 0.025 (450kg/m ³) Approx. 0.020 (500kg/m ³)
Thickness, inches (Tolerances)	Tolerances per AMS 3195	To 0.063 (-0.016 +0.030) 0.064 – 0.188 (±0.030) 0.189 – 0.313 (-0.030 +0.050) 0.314 – 0.500 (±0.060)
Standard Colour		Red Oxide Black
Compression Deflection, psi (kPa) Typical psi (kPa)	AMS 3195, ASTM D1056 At 25% compression	6 – 14 (41 – 97) 11 (76)
Change in Compression Deflection, % max Typical	ASTM D1056 After 22hrs at 302°F (150°C)	±5 +2
	ASTM D1056 A4 After 22hrs at 350°F (175°C)	30
Compression Set, % max Typical	ASTM D1056 B2 50% compression, 73°F (23°C)	25 1
	ASTM D1056, AMS 3195 50% compression, 212°F (100°C)	60 15
Flame Resistance, burn rate in./min. max (mm) Typical	DOT MVSS-302, ASTM D5132 ASTM D1056 M	4 (102) Self Extinguishing
Water Absorption, weight change, % max	ASTM D1056 Tested on 1" x ½" casted plug	5
TEMPERATURE RESISTANCE		
Continuous Use Temperature, max		400°F (204°C)
Maximum Intermittent Use		450°F (232°C)
Minimum Intermittent Use		-67°F (-55°C)
Brittleness Temperature (min cont. use) Typical	AMS 3195, ASTM D746 No failures due to cracks	-67°F (-55°C) -103°F (-75°C)

Note: All metric conversions are approximate.
 Based on requirements for ASTM D1056 2D2/3 and AMS 3195

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