

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

NOTE: Information of a technical nature is based on laboratory tests which are conducted or sent to an independent laboratory for testing for determination of uses as requested in writing by customer. We believes these to be reliable. However, we have no control over the application of the material to, or part of, the final product and therefore, we make **no express or implied warranty of result, fitness or merchantability**. The customer should determine reliability for the end use or particular application.