

| PHYSICAL PROPERTIES | | | | |
|------------------------------|---|---------------------------------|-------------------------|-----|
| Fiberglass Type E | | Silicone Rubber | | |
| Breaking Tenacity | 1.71 gf/TEX Std and Wet | Durometer, Shore A | - Initial | 35 |
| Tensile Strength | 450,000-500,000 psi | | - Aged 240hrs @ 200 ° C | 45 |
| Breaking Elongation | 4.81% Std and Wet | Tensile Strength (psi) | - Initial | 875 |
| Elastic Recovery | 100% | | - Aged 240hrs @ 200 ° C | 800 |
| Average Stiffness | 2824.3 cn/TEX | Elongation % | - Initial | 500 |
| Effect of Heat | Will not burn Retains 75% tensile at 343 ° C Softens at 732-877 ° C Melts at 1121-1182 ° e | | - Aged 240hrs @ 200 ° C | 200 |
| | | Flammability, UL94 | | V-1 |
| | | Dielectric Strength (volts/mil) | | 485 |
| | | | | |
| Effects of Acids and Alkalis | Resistance to acids is fair Good resistance to most alkalis | | | |

| CERTIFICATIONS / APPROVALS / STANDARDS | AEROSPACE | INDUSTRIAL |
|--|-----------|------------|
| MSHA IC-358/01 - Accepted for Use in Underground Mines | ✓ | |
| EN 45545-2: 2013 Rail Certification | ✓ | |
| BS 6853 - British Superseded by EN45545-2 | ✓ | |
| DIN 5510 part 2 - German Superseded by EN45545-2 | ✓ | |
| NF F 16-101 - French Superseded by EN45545-2 | ✓ | |
| UNI CEI 11170-3- Italian Superseded by EN45545-2 | ✓ | |
| SAE AS1072F Compliant | ✓ | |
| SAE AS1055E Compliant | ✓ | |
| ASTM D-578 | ✓ | ✓ |
| ASTM D-581 | ✓ | |
| UL 94 Flammability V1 Certified | ✓ | ✓ |
| UL 1441 Flammability VW1 Certified | ✓ | ✓ |
| UL 1581 Vertical Wire Testing Certified | ✓ | ✓ |
| REACH Compliant | ✓ | ✓ |
| RoHS Compliant | ✓ | ✓ |
| Conflict Material Free | ✓ | ✓ |
| Asbestos Free | ✓ | ✓ |
| Does not contain chemicals listed under on California's Safe Drinking Water & Toxic Enforcement Act of 1986. Commonly known as Proposition 65 (Cal Prop 65). | ✓ | ✓ |