



Technical Data Sheet

Compound: UC01018 *equal to SCE NEO and SCE41 NEO*

Type: Polychloroprene (Neoprene) Sponge

Description: Closed cell sponge formulated to meet the smoke and flame requirements for use in passenger rail car applications. Material is used for sealing, gasketing, cushioning, thermal insulation and vibration isolation applications. This material is available in a variety of thicknesses and can be supplied with pressure sensitive adhesive. The material can be die-cut, waterjet cut or slit to your specifications.

Meets or exceeds ASTM D1056 2C1, B2, F1, M

| Test Property | Method | Results |
|---|----------------|----------------------------|
| Density | ASTM D1056 | 7 – 11 PCF |
| Compression Deflection 25% | ASTM D1056 | 2 – 5 PSI |
| Compression Set 50% | ASTM D1056 | 25% Max |
| Water Absorption | ASTM D1056 | 5% Max |
| Tensile Strength | ASTM D412 | 80 PSI |
| Elongation | ASTM D412 | 150% |
| Tear Strength | ASTM D624 | 14 lb./in |
| Resilience | ASTM D2632 | 15% |
| CD Change after Oven Aging | ASTM D1056 | 30% Max |
| Surface Flammability (Is <35) | ASTM E162 | Is=15 |
| Surface Flammability (100mm Limit) | ASTM C1166 | 44 mm |
| Smoke Density (Ds 1.5<100, Ds 4.0 <175) | ASTM E662 | Ds 1.5 =19.8, Ds 4.0 =25.4 |
| Heat and Visible Smoke Release Rates | ASTM E1354 | Report |
| Toxic Gas Testing | SMP 800-C | Pass |
| Flammability | FMVSS-302 | Pass |
| Service Temperature | -40 to 150 F | Pass |
| Thermal Conductivity (K Factor) | ASTM C518 | 0.38 |
| Service Temperature Range | -40 F to 150 F | |
| High Intermittent Temperature | 200 F | |