



Technical Data Sheet

SCE-41B Neoprene Sponge

NE Series

Neoprene/EPDM/SBR

Specifications

| | |
|--------------------------------|--------------------------|
| Polymer | Neoprene/EPDM/SBR |
| ASTM D 1056-67 | SCE-41 |
| ASTM D 1056-78 | RE41 |
| ASTM D 1056-85, 91, 98, 00, 07 | 2A1 |
| MIL-R-6130C TY/GR/Condition | II-A Soft |
| MIL-C-3133C MIL STD 670 B | SCE3 |
| UL 157/UL 50E/ UL 508 | LISTED |

Physical Properties

| Physical Property | Test Method | Unit | Value |
|--|-----------------------|--------------------------|----------------------|
| Compression Deflection @25% | ASTM D 1056 | psi | 2 – 5 |
| | | kPa | 14 – 35 |
| Density | ASTM D 1056 | pcf g/cm ³ | 4 – 8 .064 - .128 |
| Compression Set Maximum | ASTM D 1056 | % | 40 |
| Water Absorption Max. Weight Change | ASTM D 1056 | % | 5 |
| Temperature Range | ASTM D 746 | °F | -40 to +200 |
| High Intermittent | ASTM D 746 | °F | +250 |
| Tensile Strength Typical | ASTM D 412 (Die A) | psi | 75 |
| | | kPa | 517 |
| Elongation Typical | ASTM D 412 (Die A) | % | 125 |
| Heat Aging (7 Days - 158 F) Change in Comp. Defl. | ASTM D 1056 | % | ±30 |
| Thermal Conductivity | ASTM C 177-85 | K FACTOR | .30 |
| Color | | | Black |

Chemical Resistance

| | | | |
|-----------------------|-----------|----------------------|-----------|
| Acid | EXCELLENT | Ozone | EXCELLENT |
| Alkali | EXCELLENT | Ketones | FAIR |
| Gasoline and Oil | FAIR | Chlorinated Solvents | POOR |
| Aromatic Hydrocarbons | FAIR | Oxidation | EXCELLENT |

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