

# Metro Industries, Inc.

## Typical Material Specifications for SCE45B

### Polymer: Neoprene/EPDM/SBR

| Physical Properties        | Test Method       | Unit of Measure   | Result        |
|----------------------------|-------------------|-------------------|---------------|
| Compression Deflection 25% | ASTM D1056        | Psi               | 17 - 25       |
|                            |                   | kPa               | 117.2 – 172.3 |
| Density                    | ASTM D1056        | Pcf               | 10 - 14       |
|                            |                   | g/cm <sup>3</sup> | .160 - .224   |
| Compression Set (MAX)      | ASTM D1056        | %                 | 25            |
| Water Absorption (Typical) | ASTM D1056        | %                 | 5             |
| Tensile Strength (Typical) | ASTM D412 (Die A) | Psi               | 150           |
|                            |                   | kPa               | 1050          |
| Elongation (Typical)       | ASTM D624 (Die C) | %                 | 125           |
| Tear Strength (Typical)    | ASTM D624 (Die C) | lb/in             | 35            |
|                            |                   | kN/m              | 6.1           |

| Specification            | Result             |
|--------------------------|--------------------|
| ASTM D1056-67            | SCE45              |
| ASTM D1056-78            | RE45               |
| ASTM D1056-07            | 2A5                |
| ASTM D1056 Suffix        | A1, C1, F1, M      |
| ASTM D6576-07            | Type II A, B, Firm |
| MIL-R-6130C              | II-A Firm          |
| MIL-R-3133C MIL STD 670B | SCE20              |
| UL48                     | Listed             |
| UL50                     | Listed             |
| UL50E                    | Listed             |
| UL157                    | Listed             |
| UL508                    | Listed             |

| Flammability Specification | Result                  |
|----------------------------|-------------------------|
| UL94 HF1                   | Listed                  |
| FMVSS-302                  | Pass (.098" or Thicker) |

| Additional Specifications |                  |
|---------------------------|------------------|
| Service Temperature       | -40 °F to 150 °F |
| High Intermittent Temp    | 200 °F           |