

# LAUR SILICONE

## LAUR AS-XX SERIES SILICONE RUBBER

### ELECTRICALLY CONDUCTIVE SILICONE

The AS-XX series of materials is intended to be Anti-Static while retaining better properties than most conductive silicones. While the conductivity values are in the range that ASTM defines as conductive, these materials are not designed for maximum conductivity.

#### TYPICAL PROPERTIES

| Material                                 | AS-50                      | AS-60                      | AS-65                      | AS-70                    | AS-73                    |
|--|----------------------------|----------------------------|----------------------------|--------------------------|--------------------------|
| Durometer, A-2                           | 48                         | 61                         | 65                         | 69                       | 74                       |
| Tensile, psi                             | 1030                       | 1,150                      | 1,150                      | 1,020                    | 990                      |
| Elongation, %                            | 423                        | 310                        | 260                        | 190                      | 155                      |
| Tear B, ppi                              | 60                         | 75                         | 75                         | 65                       | 62                       |
| Volume Resistivity <sup>1</sup> , Ohm*cm | 2,000<br>$2.0 \times 10^3$ | 2,000<br>$2.0 \times 10^3$ | 4,000<br>$4.0 \times 10^3$ | 150<br>$1.5 \times 10^2$ | 150<br>$1.5 \times 10^2$ |
| Specific Gravity                         | 1.14                       | 1.18                       | 1.20                       | 1.25                     | 1.29                     |
| Color                                    | Black                      | Black                      | Black                      | Black                    | Black                    |

ALL SLABS MOLDED 10 MINUTES @ 340 °F

The properties listed here are typical values and are not intended to be used for writing specifications. For assistance in selecting a compound for a specific application, please contact our technical department.

Per ASTM D991, generally antistatic rubber products are considered to have a volume resistivity of  $10^4$  to  $10^8$   $\Omega$ .cm. Conductive rubber products are generally considered to have a volume resistivity of less than  $10^4$   $\Omega$ .cm.

*Note 1 The volume resistivity values given reflect actual test values. Due to the nature of the test and the materials, these values may change more than most rubber properties.*

#### SHELF LIFE

When stored below 90 °F, this series of materials has a shelf life of 3 months from date of sale.