

# LAUR SILICONE

## LAUR AS-2XXA SERIES SILICONE RUBBER

### ANTI-STATIC SILICONE

The AS-2XXA series of materials is intended to be Anti-Static while retaining better physical properties than most conductive silicones. The conductivity values are in the range that ASTM defines as "Anti-Static", these materials are not designed for maximum electrical conductivity. These compounds are designed to be processed by calendaring or molding techniques. Processing by extrusion is possible if they are cured in a salt bath.

#### TYPICAL PROPERTIES

Material	AS-275A	AS-280A	AS-285A	AS-290A
Durometer, A-2	75	80	85	90
Tensile, psi (MPa)	950 (6.5)	950 (6.5)	860 (5.9)	820 (5.7)
Elongation, %	125	125	80	60
Tear B, ppi (kN/m)	70 (12.3)	70 (12.3)	50 (8.8)	n/a
Volume Resistivity <sup>1</sup> , Ohm*cm	350 $3.5 \times 10^2$	300 $300 \times 10^2$	300 $300 \times 10^2$	150 $1.5 \times 10^2$
Specific Gravity	1.41	1.42	1.42	1.45
Color	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  $10^8 \Omega \cdot \text{cm}$ . Conductive rubber products are generally considered to have a volume resistivity of less than  $10^4 \Omega \cdot \text{cm}$ .

*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.

AS2XXA Series

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