



# THE FINAL BARRIER AGAINST ABRASION, CHEMICALS AND HEAT

## ARMATEX® SBN 13-602 ROBOTEX SILICONE COATED AROMATIC POLYAMIDE

ARMATEX® SBN 13-602 ROBOTEX is a silicone coated aromatic polyamide, designed to maintain flexibility in high temperature environments. This fabric exhibits exceptional strength and flexural failure resistance due to the strength of the unique base fabric, which is woven with a special, higher strength, aromatic polyamide fiber than most meta-aramid fiber fabrics. Due to its high crystallinity and strength, it can be used in the most demanding applications requiring high tensile properties, as well as chemical and thermal stability. Applications include, and are not limited to, robot and personnel protective clothing, transportation textiles, and protective covers, shields and blankets for all industries.

### AVERAGE PHYSICAL PROPERTIES

BASE FABRIC	
Type	Aromatic Polyamide Fabric
Weave	Plain
Width, inches • meters, nominal	60 • 1.524 (+/- 3%)
Thickness, inches • mm, nominal	0.010 • 0.254
Weight, oz/sy • gm/sm, nominal	4.5 • 152.57
Temperature Rating	500°F • 260°C
COATING	
Type	Formulated Silicone Compound
Color	Black
Coating weight, oz/sy • gm/sm, nominal	8.5 • 288
Temperature Rating	450°F • 232°C
FINISHED PRODUCT	
Weight, oz/sy • gm/sm, nominal	13 • 441
Thickness, inches • mm, nominal	0.026 • 0.66
Tensile Strength, lbs/in, nominal	100 x 50 (warp x weft)
Elongation, %	41 x 33 (warp x weft)
MOE (Elastic Modulus)	25 x 18 (warp x weft)

Tolerance is +/- 10% unless otherwise stated.

The technical data presented herein are indicative of representative properties and are intended as a specification guide only. No warranties are expressed or implied as application conditions are beyond our control.

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