

ARLON® FR (Flame Resistant) Self-Fusing Silicone Tapes

Rogers offers a fire resistant ARLON® Self-fusing tape. This product is composed of UL94 V-0 recognized silicone rubber compound which meets FAR 25.853 and NFPA 130 standards. They bond irreversibly to itself providing an insulative barrier resistant to moisture, oxygen, ozone and corona over a wide temperature range -51°C to 260°C (-60°F to 500°F). These products provide superior electrical insulation with dielectric strength ranging from 400-900 VPM.

- Composed of UL V-0 recognized silicone rubber
- Available in rectangular, triangular and reinforced construction
- Meets A-A-59163A
- REACH and ROHS compliant
- Electrically Insulating
- Fuses only to itself
- Chemically activated upon stretching

Properties	
Temperature Range	-51°C to +260°C (-60°F to +500°F)
Flame Rating	UL94 V-0
UL Compound	195CB (Black)
Volume Resistivity	1.6 x 10 ¹⁵ ohm-cm min
Durometer	60 Shore A
Water Absorption	0.90%
Specific Gravity	1.29
Width	25.4mm (1.00")
Color	Black
Performance Advantages	
Meets FAR 25.853 12 & 60 sec vertical burn	
Meets NFPA 130 Smoke, Flame and Toxicity	
Triangular Construction 0.25 - 1.02mm (10 - 40 mil)	
Rectangular Construction 0.25 - 1.02mm (10 - 40 mil)	
Reinforced Construction (25%) 0.51mm (20 mil)	
Provides superior electrical insulation	
No Adhesive. Chemically bonds to itself at room temperature within 24 hrs	
Remains non-tacky to touch. Does not adhere to other substrate or surface	
Removes cleanly and easily with no residue	
Conforms smoothly when wrapped around complex forms	

Note: Above properties are published as a guide only and should not be used for specification development without testing in your own laboratory.

ARLON FR Self-Fusing tapes have a 12 month shelf life from date of manufacture when stored at 21°C +/- 4°C (70°F +/- 5°F).

All metric values are approximate.