

Flexible Heaters Selection Guidelines

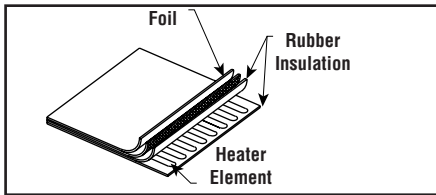
Capabilities

Chromalox is capable of designing and manufacturing complete heated systems to meet your application. Chromalox has a reputation for going beyond the basic heater construction to give you value-added technical service.

Grounding to meet evolving NEC, Military standards or your application requirements can be easily managed with Chromalox Flexible Heaters. Internal grounding screens, surface-piercing mounting plates, or foil backing can be incorporated in the heater construction to ensure system grounding.

Insulation of the heater element can be

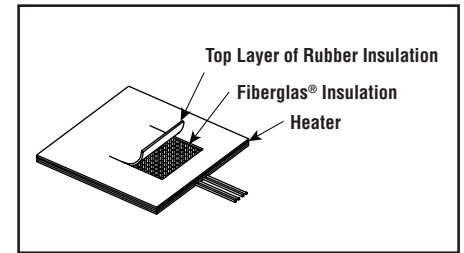
Foil Backing



Foil Backing is also used to improve heat transfer. More heat is drawn and radiated by binding foil to an outer layer of rubber.

achieved by factory bonding silicone or foam rubber to the element or by encasing Fiberglas® insulation as the outer layer of the heating element. Encasing Fiberglas® is not recommended for outdoor application since “breathing holes” are used that may allow for moisture absorption.

Encased Insulation



Flexible & Molded Heaters — Selection Guidelines

Max. Operating Temperature	Application Environment	Product Type	Model	Stock Products	Page
392°F	Most Industrial Indoor / Outdoor	SL — Silicone Rubber Insulated	SL-N SL-B SLDH	Standard Strip Heaters Enclosure Heaters Drum Heaters	A-121 A-122 A-123
450°F	Most Industrial Indoor / Outdoor	Fiberglas® woven Silicone Rubber encased	PHD	Heavy Duty Drum Heaters	A-126

Flexible & Molded Thermal Insulation — Selection Guidelines

Max. Exposure Temperature	Application Environment	Product Type	Model	Stock Products	Page
450°F	Most Industrial Indoor / Outdoor	IBG — Silicone Rubber Insulation Blankets — Silicone Foam Insulation Coats	IBG Series	Blanket Drum Heaters	A-127