BABSCO
100% EMPLOYEE OWNED

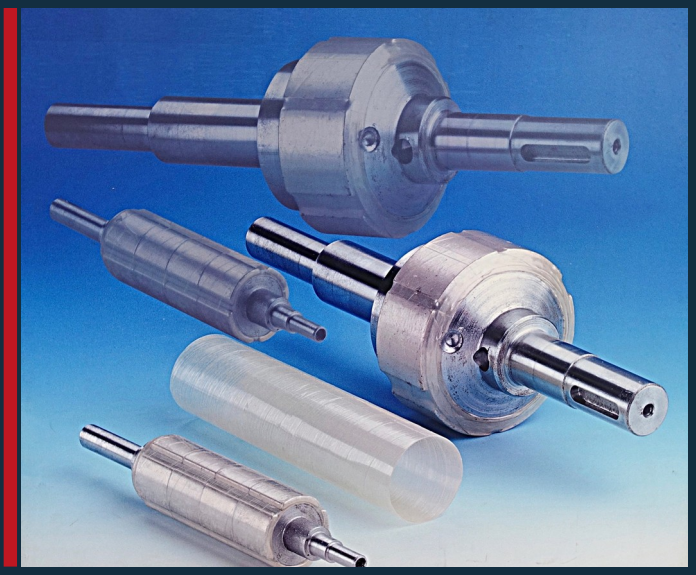
politubes
SPIRAL INSULATION TECHNOLOGY

CUSTOM ELECTRICAL INSULATION

Italian expertise. U.S. support.

Custom insulating tubes and end caps designed around the electrical, thermal and mechanical requirements of your application.

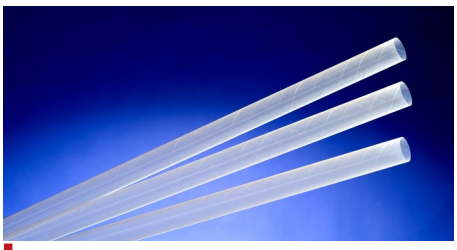
MADE BY POLITUBES / SUPPLIED IN THE U.S. BY BABSCO



WHAT WE SUPPLY

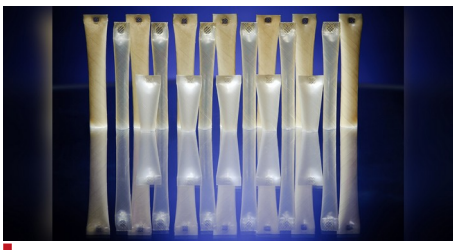
Engineered to fit. Built to protect.

From standard electrical insulation needs to specialized motor designs.



Spiral-wound tubes

Custom multilayer sleeves and lay-flat options for wiring and components.



InsuLock Caps™

Ultrasonic, dot-welded and shaped closures for electrical terminations.



Specialized insulation

EV-Tubes™ for stators and ShieldTubes™ for SPM brushless rotors.

MATERIALS SELECTED FOR PERFORMANCE

Mylar® / PET • Nomex® aramid • Kapton® polyimide • PEEK, PPSU & laminates

Material stacks, dimensions and heat-shrink properties are chosen to match each design.

SINCE 1969
Spiral insulation know-how

ISO 9001 · IATF 16949
Quality management certifications

UL FILE E350605
Scope varies by construction

WHERE POLITUBES ADDS VALUE

Critical insulation, across industries.

Tailor-made tubes and caps used throughout electromechanical and power applications.

01 **Electric motors & generators**

Winding connections, motor leads, thermal protectors.

02 **EV & HEV traction motors**

Hairpin, I-pin and wave-winding stator slot insulation.

03 **Brushless / SPM rotors**

Heat-shrink sleeves for magnet retention and protection.

04 **Transformers & power**

Lead wires, tie rods, terminals and component insulation.

05 **HVAC & compressors**

Hermetic motors, refrigeration systems and connections.

06 **Heating & sensing**

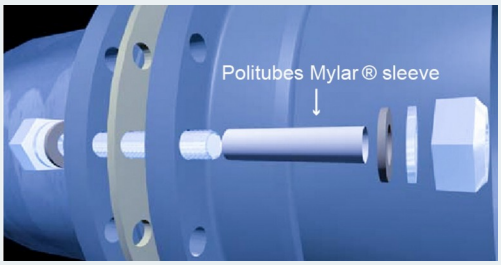
PTC heaters, sensors, thermistors and thermal switches.

07 **Cathodic protection**

Isolation against galvanic corrosion in flange insulation kits.

08 **Industrial electronics**

Capacitors, switches and compact electrical assemblies.



START WITH YOUR DRAWING

Let's engineer the right insulation.

Share dimensions, tolerances, operating temperature, electrical needs, quantities and approvals. BABSCO coordinates your inquiry with Politubes.

YOUR U.S. CONTACT

BABSCO Supply Inc.

574-293-0631 | babsco@babsco.com

babsco.com

Manufactured in Italy | politubes.com