



Insulation Solutions for **Pharmaceutical** Industry Applications

Mold Resistant

Cost Effective

Fiber Free

Energy Efficient

Materials That Resist Fungal Growth



TechLite® is a patented, fully-engineered, sanitary insulation system. It was specifically developed as a lightweight, non-fibrous alternative to conventional fibrous and elastomeric insulation products. TechLite® insulation is a proven system that is a unique solution for the contamination-free requirements of many critical process applications often found in the pharmaceutical and clean room environments.

We feature TechLite® melamine foam: a high temperature, lightweight, open-cell foam which is cost effective to install, user friendly, and environmentally safe. No CFC's are used in manufacturing and you won't find carcinogens, fine fibrous particles or toxins in TechLite® foam, making TechLite® insulation systems perfectly matched for the stringent control of materials used within sanitary environments. No special personal safety gear is needed to install.
No disposal problems either!

TECHLITE® 879 ADVANTAGE

TechLite® 879 Insulation System uses a semi-rigid, glossy PVC exterior jacket that is permanently laminated to the TechLite® foam insulation. The mirror smooth finish not only performs well but also is the preferred covering in all clean room and pharmaceutical environments, providing years of service with easy cleaning to maintain any required sanitary conditions. The patented TechLite® Insulation System provides a totally engineered, high performance solution for your pharmaceutical and clean room environments.



EASE OF INSTALLATION

TechLite® can be installed in half the time required by other 2-step insulation systems. SSL (Self-Sealing Lap) is standard on all factory jacketed TechLite® systems. Installation is a very simple procedure and can be accomplished at any ambient temperature between 35°F and 110°F. One end of the insulation is supplied with a 2" overlap so adjoining sections overlap and seal to each other. Simply place the insulation around the pipe and secure with SSL flap. Fastener Weld solvent bonding adhesive is used to achieve a tight permanent vapor barrier seal. No bands or staples are required. Detailed instructions are furnished with shipment.





THE DIFFERENCE IS OUR FITTINGS!

For fittings such as elbows, tee's, and flanges, TechLite® insulation inserts are available in preformed or wrapped diaper design. The pre-formed inserts are precision ground to provide a fit that is within the pipe tolerances. These inserts and diapers are also fabricated from TechLite® melamine foam. White or color coded PVC fitting covers are provided with the insulation inserts. The PVC fitting covers are UV inhibited and resistant to harsh conditions and offer good chemical resistance.

BENEFITS OF TECHLITE® INSULATION SYSTEM

- Clean Room Certified (Class 100 Approved)
- Suitable for Sanitary and Wash Down Environments
- Mold & Fungus Resistant (ASTM G 21)
- Non-Fibrous Materials Means No Fine Respirable Particles
- Non-Carcinogenic & No Volatile Organic Compounds (VOC's)
- Non-Corrosive to All Piping Systems
- Meets or Exceeds ASTM E84 Smoke & Flame Rating (Class A)
- TechLite® is a Patented Insulation System, US Patent #6403182
- Superior Thermal Conductivity

(K-factor @ 75°F = 0.25 BTU·in/h·ft²·°F)



TECHLITE® DIFFERENCE

Our distributors and sales engineers are qualified to help with any insulation need, whether it be for a routine application or a special project. Our products are used in all types of environments.



INSULATION SPECIFICATIONS

• Insulation material	Open Cell Melamine Foam
• Service temperature	-40°F* to 350°F (min/max pipe temp.)
• Thermal conductivity, k	0.25 btu•in/hr•ft ² •°F
• Density	0.56 ± 0.06 lb/ft ³
• Flame spread/smoke development	25/50 per ASTM E84
• Color	Light Gray
• Standard Thickness	1", 1½", 2", 2½", 3"

**Capable of withstanding -328°F continuously – consult factory with questions regarding extreme temperature applications.*

FACTORY PRE-APPLIED JACKETING OPTIONS

800 Series jacket is made of white rigid PVC. It has a shiny, hard surface that resists accumulation of foreign material that may contaminate sanitary processes. It is washable and never needs painting. When installed correctly, 800 series jacket creates a hermetic seal that meets FDA standards.



CONTACT

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