

# “LTK Sleeve”

## TECH SHEET



INSULATION  
TECHNOLOGIES

ltkinsulationtechnologies.com



### DESCRIPTION

1 1/2", 3/4 # density fiberglass insulation sandwiched between spunbond PP/HDPE medical grade perm rated fabric. Seams sewn double stitched with d-20 polyester thread. End seals maintained by 1/2" elastic cord gather sewn. Condensation control with one piece removable reusable insulation covers. Units are easy to install and remove with 3/4" Velcro™ closures. Low cost, high value and quality construction.

### BENEFITS

- No loose fibers
- No tools necessary
- Replaceable part, if lost or damaged
- Reusable
- Fits multiple valve assemblies by multiple manufacturer's
- Prevents condensation
- Easy to use
- Ready to use-no fabrication cost

### USES

- Balance valve assemblies
- Water meters
- Flex connections
- Coupled connections
- In-line pipe apparatuses subject to condensation



*\*Patent pending*

**ASTM E136 accepted for Commercial, Institutional, Industrial  
and Residential project in North America**

#### Thermal Efficiency of Insert

ASTM C518 75° F  
K .30

#### Operating Temperature Limits

Spunbond PP/HDPE up to 200° F (93° C)  
Insert 0° to 450° F (-18° C to 232° C)  
Flame spread 25 or less  
Fire/Smoke Performance ASTM E84  
Flame Spread Index <25  
Smoke Development Index <50

#### Physical Properties of spunbond PP/HDPE

Total basis weight ASTM D3 776-90 **2oz/yd2**  
Thickness ASTM D177-75 **1.5 mils**  
Water Vapor Transmission ASTM E96  
**0.01 perm 37.80C/1000F-RH/100%**  
Tearing Strength Trapezoid Cmd/cd ASTM  
D1117-80 **7/5lbs**

VALVE SLEEVE