

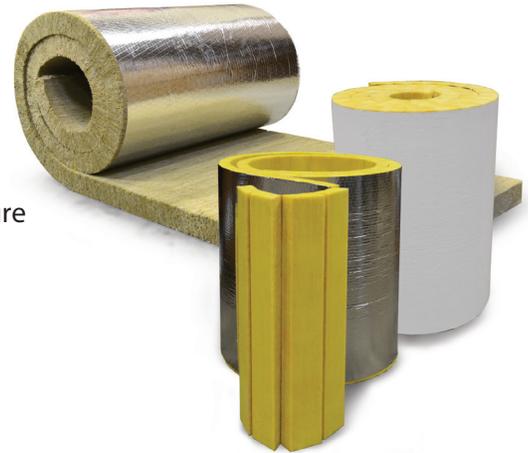
## SPECIFICATIONS

GLT Products Pipe and Tank Insulation is a semi-rigid wrap designed to insulate large piping, and other curved surfaces, such as pipes with tracing lines, most fittings and other irregular shapes

Available in the two materials both designed for different temperature applications with facing options: FSK, ASJ (0.02 Perm) and Glass Mat.

**Mineral Wool:** Used to insulate hot surfaces up to 1000°F.

**Fiberglass:** Used to insulate cold and hot surfaces from 0°F to 650°F



### Benefits

Pipe and Tank Insulation eliminates the need for stocking large diameter pipe insulation, thereby eliminating job returns on slow moving items.

### Features

Pipe and Tank Insulation wraps are available in a variety of facings (ASJ, FSK, and Glass Mat). They are manufactured with the fibers perpendicular to the surface, which gives the material the characteristics of a rigid board. Pipe and Tank Insulation can be applied using stainless steel banding or tie wire, CD weld pins or cup head pins. The material is available in 36" widths and thicknesses ranging from 1" to 4".

Properties	Mineral Wool	Fiberglass
Temperature range, ASTM C1393	Up to 1000°F	Up to 650°F
Water Absorption / Vapor Sorption, ASTM C1104	< 1% by weight	< 2% by weight
Compressive strength at 10% deformation, ASTM C1393	Complies	Complies
Thermal conductivity, 75°F mean temp., ASTM C518, C177	0.27	0.27
Facings	ASJ, FSK or Glass Mat	ASJ, FSK or Glass Mat*
Surface burning characteristics, per ASTM E84	25 Flame Spread, 50 Smoke Development or less	
Standard roll sizes	1" × 36" × 33⅓'	100 sq. ft./roll
	1½" × 36" × 33⅓'	100 sq. ft./roll
	2" × 36" × 16⅔'	50 sq. ft./roll
	2½" × 36" × 16⅔'	50 sq. ft./roll
	3" × 36" × 16⅔'	50 sq. ft./roll
	3½" × 36" × 16⅔'	50 sq. ft./roll
	4" × 36" × 11'	33 sq. ft./roll
Standard compliance	Board: ASTM C612 Type IVA, ASTM: C795, C692, C665, E136	
	Facings: ASTM E96, ASTM C1136	

**Caution:** For high temperature applications, sufficient insulation thickness must be used to maintain outer surface temperatures below 150°F (66°C) for ASJ and FSK facings.

\*Glass mat is not recommended for fiberglass thicknesses greater than 3".

## Properties continued

### Fiberglass Pipe and Tank Thermal Conductivity at Mean Temperature per ASTM C177

Properties	Performance					
Temperature (°F)	75	100	150	200	250	300
Btu.in/hr.ft <sup>2</sup> .°F	0.27	0.29	0.33	0.38	0.43	0.48
Temperature (°C)	24	38	66	93	121	149
W/mK	0.037	0.045	0.050	0.056	0.063	0.070

Some smoke and odor can be expected during initial heat up above 450° due to oxidation of organic binder material.

**To minimize smoke and odor follow a heat-up schedule:**

Begin at 300° F and increase by 100° F per hour until reaching temperature.

The insulation properties are not affected; however, adequate ventilation should be provided.

CAUTION: Care must also be taken when using sealants, solvents or flammable adhesive during product installation.

### Mineral Wool Pipe and Tank Thermal Conductivity at Mean Temperatures per ASTM C518

Properties	Performance						
Temperature (°F)	75	100	200	300	400	500	600
Btu.in/hr.ft <sup>2</sup> .°F	0.27	0.29	0.32	0.38	0.47	0.60	0.75
Temperature (°C)	24	38	93	149	204	260	316
W/mK	0.039	0.042	0.046	0.055	0.068	0.086	0.108

Some smoke and odor can be expected during initial heat up above 450° due to oxidation of organic binder material.

**To minimize smoke and odor by following a heat-up schedule:**

Begin at 300° F and increase by 100° F per hour until reaching temperature.

The insulation properties are not affected; however, adequate ventilation should be provided.

CAUTION: Care must be taken when using sealants, solvents or flammable adhesive during product installation.

GLT Fabricators proudly manufactures and distributes high quality goods used in the mechanical insulation industry. Technical specifications illustrated in this document represent typical, average values obtained in accordance with accepted test methods, are subject to normal manufacturing variations and are subject to change without notice. Installation, design, or application conditions are out of GLT and SPI control, as such no warranties, expressed or implied, are given. Fitness for use is the sole determination of the purchaser.