

## DATA SHEET

GLT Products' knitted wire mesh is an excellent material to act as an envelope for fabricating removable and reusable insulation blankets for thermal and acoustical insulation systems. It is flexible in either direction and able to conform to irregular surfaces. It is able to withstand stresses of repeated installations, vibration, buffeting, chafing, moisture and temperature extremes. Knitted wire mesh is excellent for marine, aerospace, industrial and commercial pad construction.

### Physical Properties:

Knitted wire mesh comes in wire diameters of .006", .008", .0095" and .011". It is available in flattened tubes with widths of 6, 8, 10, 12, 18, 24, 30, 36, 38 and 42 inches. Tubes are then rolled and packaged for shipping in cardboard boxes. Mesh can also be supplied in either a flat or crimped (corrugated) form. Our crimped mesh yields will yield approximately 20% less coverage.

### Construction Recommendations:

- .011 and .0095 wire diameters are recommended for maximum strength and temperature.
- .008 is ideal for intermediate applications requiring less frequent removal and for sewn applications.
- .006 is recommended for applications that require flexibility.

### SPECIFICATIONS:

AMS-5647  
 ASTM-A182  
 ASTM-A276  
 ASTM-A314  
 ASTM-A479  
 ASTM-A580  
 Federal-QQ-S-763  
 Mil-S-862  
 Mil-S-23195

Alloy	Temperature Range (F)	Wire Diameter (Inches)	Sq. Ft. 1-Ply Flat	Per Pound 2-Ply Flat
304 Stainless	900° Continuous	.011, .0095	13.0, 17.0	6.5, 8.5
	1200° Intermittent	.008, .006	24.0, 39.0	12.0, 19.5
321 Stainless	1200° Continuous	.011	13.0	6.5
	1500° Intermittent	.0095	17.0	8.5
Inconel 600 and 601	2300°	.011, .008	11.8, 21.8	5.9, 10.9
Monel 400	2000°	.011	11.2	5.6

Specifications subject to change without notice.

For more information on GLT Products, please call toll-free at 800.874.1748 or online at www.gltproducts.com.



Innovative Insulation Systems

#### HEADQUARTERS:

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#### DISTRIBUTION CENTERS:

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**North Carolina:** 501 West Camel Street | Greensboro, NC 27401 | 1.800.551.9760  
**California:** 4283 Pock Lane #200 | Stockton, CA 95206 | 1.800.833.4500  
**Texas:** 8905 Market Street | Houston, TX 77029 | 1.800.874.1748