

## BURLGLASS-SERIES SPECIALTY COMPOSITES

### Spec Data Sheet

### ***Burlglas Insulation***

A 100% fiberglass mat that is used as a thermal insulation and gasket material in furnaces, boilers and special piping applications. The long textile glass fibers are mechanically bonded to assure insulation efficiency during extended exposure to elevated temperatures.

- Conforms to MIL-I-16411 Type II and MIL-I-24244
- Conforms to Coast Guard specification #164.009
- 100% "E" glass fibers put into a web form and needled together without chemical binders.

### **Applications:**

It is used as a thermal insulation and gasket material in industrial furnaces and ovens, package boilers and other applications where heat resistance, flexibility and low special air and liquid chemical and thermal resistance are mandatory. It is also commonly used as a removable pad, catalytic converter insulation and thermal insulations.

### **Physical Properties:**

<b>Service Temperature:</b>	up to 1200°F	
<b>Weight (1")</b>	15 oz/ft <sup>2</sup>	
<b>Weight (1/2")</b>	6 oz/ft <sup>2</sup>	
<b>Fire Resistance:</b>	Incombustible	
<b>Moisture Absorption:</b>	Negligible	
<b>Density (1")</b>	11 Lbs/ft <sup>3</sup>	
<b>Density (1/2")</b>	9 Lbs/ft <sup>3</sup>	
<b>K Factors</b>	1/2" at 9 Lbs/ft <sup>3</sup>	
	<b><u>Mean Temperature</u></b>	<b><u>"K" BTU/Inch/hr./sq/ft/°F.</u></b>
	300°F	0.40
	500°F	0.50
	700°F	0.65

### ***Acoustical Performance:***

#### Sound absorption Data

Product	OCTAVE BAND FREQUENCIES (Hz)				
	250	500	1000	2000	4000
BURL GLAS-1"	.29	.86	.95	.92	.95
BURL GLAS-1/2"	.07	.30	.72	.94	.97