

Bylix 815

High Temperature Needle Mat

Product Description

Bylix™ 815 is designed to meet the toughest performance requirements, cost effectively. This high performance, inorganic, noncombustible, amorphous silicate-based fiber mat utilize proprietary entanglement pattern for optimum thermal conductivity.

This hybrid outperforms E Glass, Basalt and Vitreous Silicate mats.

Applications

- Removable insulation jackets
- Metallic heat shields

Features

- Low conductivity – excellent thermal insulation
- High temperature duration w/ low heat shrinkage
- 100% Inorganic fiber, noncombustible
- High porosity, excellent sound absorption



Properties	Bylix 815	
Nominal Density	9.4 lb/ft ³ (150 Kg/m ³)	
Service Temperature of Fabric	1517°F (825°C)	
Intermittent Temperature	1652°F (900°C)	
Melting Point	2050°F (1121°C)	
Thickness	1/2"	1"
Roll Width	60"	

Thermal Conductivity (K)	W/m • K
392°F (200°C)	0.055
572°F (300°C)	0.085
752°F (400°C)	0.100
1000°F (538°C)	0.113
1500°F (815°C)	0.169

The product(s) represented are intended for industrial insulation jacket applications. The values and application information in this datasheet are given for guidance only. The values and the information given are subject to normal manufacturing variation and may be subject to change without notice. Gideon Scientific makes no guarantees and gives no warranties about the suitability of a product.