

Data Sheet

HiTherm Needled Glass 1" Mat

Product Description

Product Name : Needled Glass Insulation Mat.

Color(s) : White

Product Description : Conform with the requirements of Military Specification MIL-I-16411 Revision F, MIL-I-24244 Revision C ASTM-C-1086-96, NRC Guide 1.36, ASTM-E-84-98 (Class A Rating) Smoke Development 5, Flame Spread 10, ASTM C-692 Non-corrosive to metal, ASTM C-1086 Mechanically Bonded Thermal Insulation.

Product Specification

Properties	Value	Unit
Width (nominal)	60	(inches)
Weight	15	(oz/ sq. feet)
Density	10.9	(lbs/cubic. feet)
Overall Thickness	0.995	(inches)
Tensile Strength	1" Machine = 125 1" Cross Machine = 90	(pounds) (pounds)
Service Temperature	1200 °F	
Flame Resistance	Flame Spread = 0 Smoke Developed = 0	ASTM E-84

Mean Temperature		Apparent Thermal Conductivity		Thermal Resistance	
C	F	SI	British	SI	British
93	200	0.05	0.34	0.52	2.94
260	500	0.07	0.50	0.35	1.98
339	750	0.10	0.70	0.25	1.43
538	1000	0.14	0.94	0.19	1.05
648	1200	0.18	1.23	0.14	0.81

The data in this Data Sheet relates only to the specific material designated herein. To the best of our knowledge, the information contained herein accurate & HiTemp Materials Corp. assumes no liability for its accuracy or completeness. Final determination of suitability of any material is the sole responsibility of the user. All materials ay present unknown hazards & should be used with caution.