

TYPICAL DATA SHEET

1401

Thermal Millboard/Nonasbestos Millboard

Description

1401 millboard is a high temperature material for use in gasketing, insulation, personal protection, heat and flame barriers, dryers, parting media and expansion joints. It is intended for use in applications with maximum continuous operating temperatures up to 1260°C (2300°F) and it resists melting up to 1760°C (3200°F). Available material gauges are 1.6, 3.2, 4.76, 6.35, 9.52, and 12.7mm.

Typical Properties

Property	Value	Method
Density, g/cc(lb/cu.ft)	0.56 (35)	ASTM F 1315
Compressibility, % (at12MPa)	20	ASTM F 36
Tensile Strength, MD, MPa(psi)	5.17 (750)	ASTM F 152
Tensile Strength, AMD, MPa(psi)	2.07 (300)	ASTM F 152
Thermal Conductivity, W/m.K	0.09 (at 260°C), 0.11 (at 430°C), 0.15 (at 700°C), 0.19 (at 870°C)	ASTM F 433
Weight Loss on Ignition, % (at 538°C)	8	ASTM F 495
Chemical Analysis		
Silicone Oxide, % by weight	51.25	
Aluminum Oxide, % by weight	43.50	
Other Oxides, % by weight	5.25	

Remarks and Related Documents

Typical values determined by the test methods required for ASTM F-104, Type 7 materials.

EnCore®, Hydro-Fused®, MicroPore®, Pro-Formance®, Select-a-Seal®, Select-a-Shield®, Syntheseal®, Thermo-Tork®, and Voltoid® are registered trademarks of Interface Performance Materials, Inc. PureGuard™ is a trademark of Interface Performance Materials.

WARNING: The performance data provided herein represent typical values. This data sheet is not intended to be used as a purchase specification and does not imply suitability for use in a specific application. Your specific application should not be undertaken without independent study and evaluation for suitability. Failure to select proper sealing products may result in either property damage or personal injury. For specific application recommendations, contact Interface Performance Materials. INTERFACE PERFORMANCE MATERIALS EXPRESSLY DISCLAIMS ALL WARRANTIES EITHER EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL ISI BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES, HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THE INFORMATION CONTAINED IN ITS SPECIFICATION DATA SHEETS, ITS PRODUCTS OR THEIR FUTURE USE BY YOU OR ANY THIRD PARTIES, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

For more information, please visit
www.InterfaceMaterials.com or contact

WORLD HEADQUARTERS
Interface Performance Materials, Inc.
216 Wohlsen Way
Lancaster, PA 17603
USA
+1.717.207.6000

TECHNICAL CENTER
Interface Performance Materials, Inc.
215 Wohlsen Way
Lancaster, PA 17603
USA
AE@InterfaceMaterials.com
+1.717.207.6000

NORTH AMERICA
Interface Performance Materials, Inc.
22260 Haggerty Road, Suite 200
Northville, MI 48167
USA
+1.248.596.2800

ASIA PACIFIC
Interface Sealing Solutions Shanghai Co., LTD
Unit 14F, No. 728
Yan An Road West, Changning District
Shanghai 200050
China
+8621.5238.5650

INDIA
Interface Performance Materials India LLP
Mandkola Road, Vill. Atta, Sohna,
Distt: Mewat, Nuh-122103 (Haryana)
+91.0124.8930992166

EUROPE & SOUTH AMERICA
Interface Sealing Solutions Europe
Lili Pean, Le Bourg
Bonloc 64240
France
+33.5.5929.1220

GERMANY
Interface Performance Materials
Altenkirchen GmbH
P.O. Box 12 63
Koblenzer Strasse
Altenkirchen D-57610
Germany
+49.2681.80020