

**PHYSICAL PROPERTIES**

ITEM	PROPERTIES	UNIT	TEST METHOD/CODE	R&D INFORMATION
1	Composition			Soniguard Insulation is a thermal-bonded, polyester-fiber, non-woven batting.
2	Bonding			Matrix is bonded with 100% polyester fibers through thermal setting, with up to 50% recycled content for an ecologically conscious solution.
3	Characteristics			Soniguard is made using the same fibers you touch and use everyday in apparel, bed linens, and upholstery – making it safe for direct contact with your skin – and it is engineered for superior thermal and acoustic performance with no long-term degradation in energy efficiency.
4	Thermal Resistance	R-value	ASTM C518	R 6
5	Thermal Conductivity	Btu*in/ft2*hr*°F	ASTM C518	0.27
6	Water Vapor Sorption	% per cm <sup>3</sup>	ASTM C1104-06	0.0033% – Meets requirement.
7	Flammability (Surface Burn)	Flame Spread Smoke Development	ASTM E84	Class A Fire-Rated < 25 Flame Spread < 450 Smoke Development
8	Corrosion, Fungi, Odor	Tested	ASTM C665 ASTM C1338 ASTM C1304	Does not promote corrosion, growth, or odor.
9	Mold Growth	Scale 0 - 4	ASTM G21	0 – No mold growth.

We do not undertake any liability for the results of usage of these products. The technical data set forth in this data sheet reflects our best knowledge at the time of issue. The data sheet is subject to changes pursuant to new developments and findings, and a similar reservation applies to the properties of the products described.