

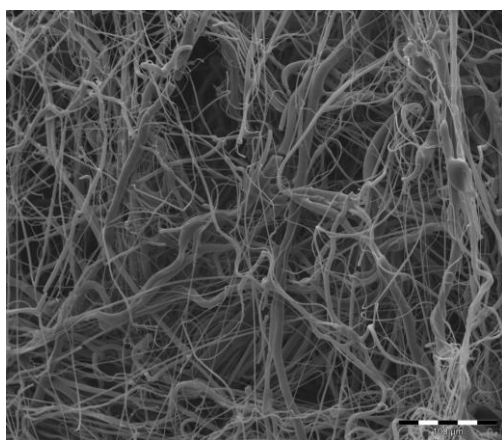
Automotive Technical Bulletin

3M™ Thinsulate™ Acoustic Insulation

RS2400i

General Description

This non-woven material has excellent sound absorbing properties useful in engine bay applications where temperature do not exceed 120°C. A black engine fluid resistant scrim on two sides protects the web from contaminations.



Magnified image of Thinsulate™ Acoustic Insulation showing fine PP and larger PET fibres.



Thinsulate™ Acoustic Insulation RS2400i material

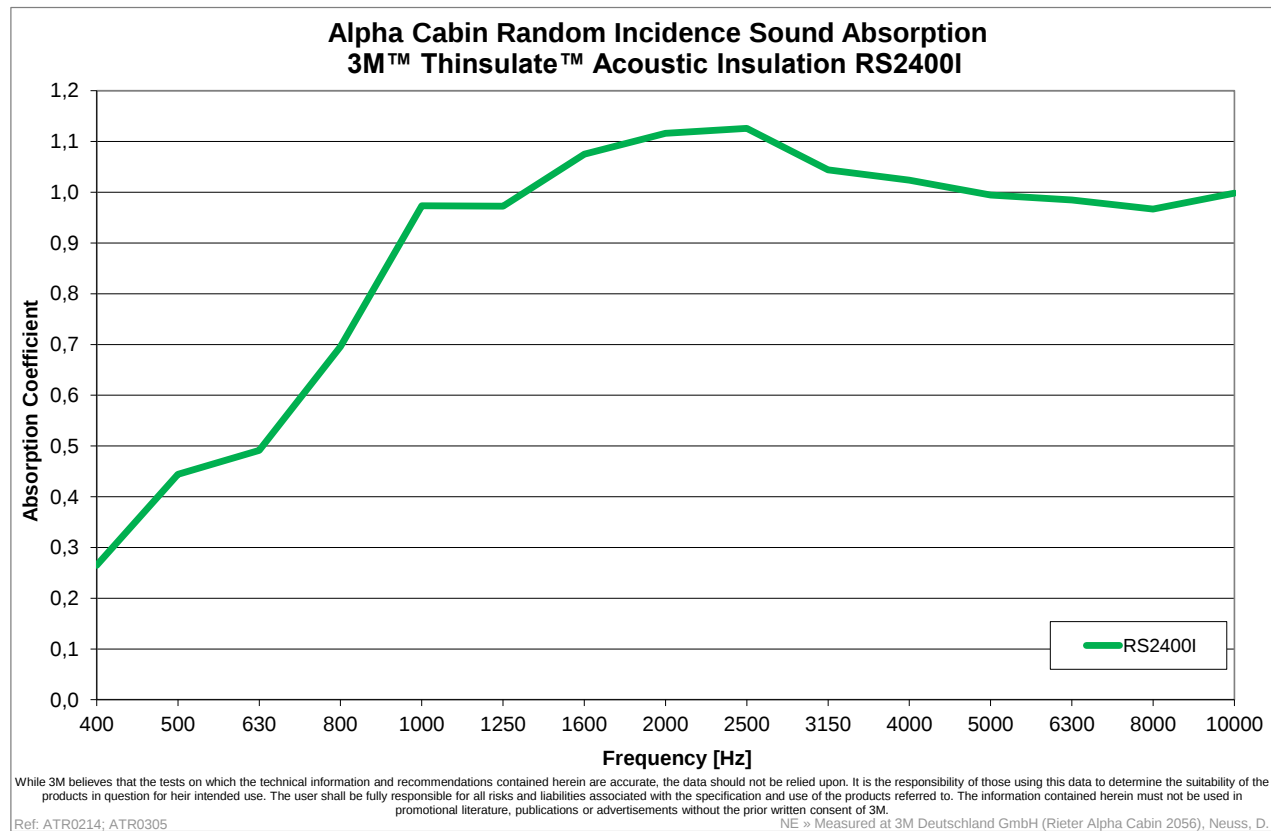
Properties

General properties		(typical values)
Composition web	65% polypropylene, 35% polyester	
Composition scrim	Polyester	
Construction and colour	White web with both sides black scrim, both sides embossed	
Material Thickness	23 mm (tested after 6 weeks on roll according SAE J1355 @ 0,002psi (14N/m²))	
Surface weight	570 g/m² (web and scrim; tested on 315 x 315 mm samples)	
Flammability	Self-Extinguishing (SE) as per SAE J369 (FMVSS 302, ISO 3795, DIN75200)700°C Glow Wire Flammability Index as per IEC-60695-2-12	
Temperature resistance	120°C (7days; baseweb 2000 hours)	
Fluid resistance	Evaluation according EN ISO 14419:1999 Deionized water – A Oil (SAE 15W40) – A Diesel (DIN/EN 590) – A/B Windscreen fluid – A/B	
Availability	- die cuts as per customer requirement - sealed edges are recommended	

Acoustical Properties – Alpha Cabin

Alpha Cabin Measurement with 1,2m² sample measuring Random Incidence Sound.

Result is average of 30 samples, tested after 6 weeks on roll (24hrs conditioning @ RT), black scrim facing noise and 25mm frame used (acc. 3M TMAE 017 (Rieter standard Alpha Cabin test) at 3M Germany in Neuss)



Additional Information

This bulletin contains typical information specific to the product. This information should not be used to determine a product specification. Samples and further information on the use of the product are available separately.

Important notice to purchaser

All statements, technical information, and recommendations herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed. Please ensure before using our product that it is suitable for your intended use. All questions of liability relating to this product are governed by the Terms of Sales subject, where applicable, to the prevailing law.



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