

SUMITOMO RIKO's Heat Insulation for Automotive Applications





High Performance Heat Insulation



Summary

High Performance

Heat Insulation



Sumitomo Riko have developed a high performance heat insulation that is very thin and flexible. By applying to interior items, this heat insulator can reduce heat transfer in and out of a vehicle, thus contributing to improving both fuel effiency and comfortability.



High Performance Heat Insulation Finesulight[®] MOBILITY



Measured temperature change with and without insulation. (Condition: outside temperature 0°C/heater usage)

Heat Insulation vehicle test

Characteristics



Door

• 3.6% Reduction of heater work load • 10.0% Reduction of heat loss from roof, door, and windshield

2% improvement of electricity efficiency



Application

- Interior parts, air conditioning parts and battery parts for automobiles
- Home appliances, Electronic components
- Cool box, Insulation box
- Residential use



GROUP





Fireproof Insulation Cover

SUMITOMO RIKO

Product Features

1 Fire resisting material based on rubber compounding technology (Shape retention of 10mins at 1000°C)

Fire-proof Reinforcing material fiber Binder Fire-retarding material

⁽²⁾Unique material and manufacturing method to enable 3D molding



			Actual value
size	Thickness[mm]		2.0
Fire- resistance property	After 10 mins of flame contact at 1000°C		Shape retentive, no holes
	Max temp. of the back side of flame contact		385°C
	Flame retardancy		UL94-V0
Other character- ristics	Tensile strength [MPa]	Initial	8.9MPa
	Resistivity [ff • cm]	Initial	4.7E+12

Basic Characteristics





English

SUMITOMO ELECTRIC GROUP