



Automotive Thermoset Fire+ felt

Non combustible insulation specially designed for battery protection of hybrid and electric vehicles

Product designed to minimize fire load in the automotive environment and increase safety of the passengers.

This product is left uncured for subsequent re-processing by thermocompression.



FIRE REACTION

Non combustible M0 according to NF P 92-501



HIGH SERVICE TEMPERATURES

Sustains up to 230 °C continuous operating temperatures, with stable dimensions



MECHANICAL RESISTANCE

Self-supporting and vibration resistance parts



THERMAL INSULATION

Excellent thermal insulation



RECYCLED GLASS

Committed towards circular economy, ISOVER strives to increase the recycled content in its glass wool products, which are already made of up to 80% of recycled glass. Moreover, glass wool is fully and infinitely recyclable

* Due to the various possibilities of use, ISOVER cannot be held liable for any deviation of the performances which could be due to, but not limited to, the manufacturing process of the converter except for any mandatory situation resulting from the applicable legal provisions concerning liability for defective products.

Automotive Thermoset Fire+ felt



AUTOMOTIVE THERMOSET FIRE+ FELT - MATERIAL DESCRIPTION

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES	STANDARD
Automotive Description			Uncured glass wool felt impregnated with a formo-phenolic and urea binder	
Material	-	-	Isover glass wool complies with the European Regulations: REACH, CLP and BPR. Isover glass wool is EUCEB and RAL certified.	-
Facing	-	-	3 different facings on choice : - Polypropylene non woven tissue 14 g/m ² (PP) - White polyester non woven tissue 23 g/m ² (PEST) - Black polyester non woven tissues 65 g/m ² with hydro and fire retardant treatment	-
Characteristics	-	-	Product range: from 500g/m ² to 1800g/m ² Average dry binder content: 6,5% (in weight) Average moisture content: 2,5% (in weight)	-
Delivery form	-	-	Material available in rolls Length: depending on the gram weight Width: from 820mm to 1530mm depending on the gram weight Average diameter of roll: 650mm or 780mm Material also available in roll of blankets: dimensions upon request Rolls are packed in polyethylene bags Rolls kept packed shall be stored between 5°C and 40°C and shall be processed within 45 days after date of production	-

TECHNICAL INFORMATION - THESE DATA ONLY CONCERN A PROCESSED PRODUCT

The technical performances provided below, have been measured in internal laboratory and then are communicated for indication only. Due to the various possibilities of use, ISOVER cannot be held liable for any deviation of the performances which could be due to, but not limited to, the manufacturing process of the converter except for any mandatory situation resulting from the applicable legal provisions concerning liability for defective products

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES				STANDARD
Reaction to fire	-		Flame Vertical Testing				similar testing method to UL94 standard
	500-1200g/m² - 2mm		V-O rating				
	500-1200g/m² - 30mm						
Reaction to fire Euroclass	1200g/m² - 5mm		A2-s1,d0 classification (little or no heat release, little or no smoke, no flammable droplets)				EN 13501-1
	1200g/m² - 20mm						
Thermal Resistance	-		Hotplate testing 800°C for 5 min				-
	500-1200g/m² - 2mm		No ignition ; cold side < 130°C				
	500-1200g/m² - 30mm						
Thermal conductivity¹	-	[°C]	10	100	150	200	EN 12667
1000g/m² - 10 mm	λ	[mW/(m.K)]	31	39	44	50	
1000g/m² - 20 mm				41	48	56	
1000g/m² - 30 mm			32	45	54	64	
Thermal behaviour	-		Service temperature up to 230°C, with stable dimensions				ISO 7884-8



www.isover-technical-insulation.com

The technical information corresponds to our present state of knowledge and experience at the date of printing (see imprint). But no legal guarantee can be given, unless it has been explicitly agreed. The state of experience and knowledge is developing continuously. Please see to it that you always use the latest edition of this information. The described product applications do not take special circumstances in consideration. Please verify whether our products are appropriate for the concrete application. For further information please contact our Isover sales offices. We deliver only according to our terms of trade and terms of delivery.

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APR-2023