



Jacobs 250

High Temperature Reflective Adhesive Tape

DESCRIPTION

Jacobs 250 is a high performance heat reflective aluminium backed glass cloth, single coated with a high temperature pressure sensitive silicone adhesive.

Jacobs 250 is available in silver.

APPLICATIONS

- Wrapping of automotive electrical wiring harnesses
- Used as heat shield to protect against heat radiation
- Hand application
- Product designed for applications which require a high heat reflective performance*

* As conditions can differ, heat reflective performance must be evaluated for any new application.

PRODUCT BENEFITS

- Very good temperature resistance
- SAE J2302 Thermal Effectiveness at 482°C is 113.5° C
- High tensile strength
- Halogen free
- Lead free
- Conforms to European Directives 2000/53/EC (2002/525/EC) for End of Vehicle Life (ELV) recycling (does not contain heavy metals) and 2002/95/EC (RoHS)
- Excellent chemical compatibility with most materials used in components for wiring

TECHNICAL PROPERTIES

	Unit	Nominal Value	Test Method
Total Thickness	mm	0.20	AFERA 5006 EN 1942 (2003)
Tensile Strength	N/cm	200	AFERA 5004 EN 14410
Elongation at Break	%	8	AFERA 5004 EN 14410
Peel Adhesion to Backing (after 1 minute)	N/cm	5.5	AFERA 5001 EN 1939 (2003)
Peel Adhesion to Steel (after 1 minute)	N/cm	5.9	AFERA 5001 EN 1939 (2003)
Thermal Class on Harness*	°C	150 during 3000h (T4 - Class D) 225 during 240h (T6)	
Flame Resistance	Type	A – Non-combustible	D45 1333 / FMVSS302
Thermal Effectiveness (with 50% overlapping and heat source at 25mm distance)	°C	Heat Source Temperature	Thermal Effectiveness (Se)
		121	10.3
		260	32.1
		482	113.5
		SAE J2302	

* Compatibility must be evaluated with any type of material in contact with the tape, when operating temperature exceeds 100°C.

STANDARD PRESENTATION

- Roll length: 25metres
- Roll width: 19 and 25mm
- Core: 38mm
- Packaging: Cardboard – bulk packed using interleaving sheet between layers
- Colours: Silver

RECOMMENDATIONS

Rolls should be stored flat on their cut edges in the original packaging. The product must be protected from dust, heat, moisture, direct sunlight and solvent fumes. The storage temperature should be between +5°C and +25°C. A strict use-by date of 12 months from the date of manufacture is recommended.

The tape should be applied with sufficient pressure to ensure an optimum bonding and prevent flagging effects.

Surfaces should be clean, dry and free of dust, grease, oil or other contaminants.