



# Calmicaglas 0893 Resin Rich Insulation

Calmicaglas 0893 Resin Rich Insulation Tape is made from mica paper based on uncalcined muscovite, glass cloth, and thermosetting epoxy novolac. This style of Calmicaglas is a very flexible tape which can be easily applied around tight bends and irregular shapes. It is supplied interleaved to prevent the sticking of layers, offers a high rate of resin flow and a thermal classification of up to 155°C.

Calmicaglas 0893 is typically used for the insulation of coils and bars on low and high voltage machines where its excellent dielectric, thermal, mechanical, and chemical resistant properties are of benefit. It can also be used for the fabrication of moulded components such as commutator caps or wound tubes and cylinders.

### Technical Data:

Property:	Value:	Value:	Test Method:
Nominal Thickness	0.18mm ± 0.02	0.28mm ± 0.03	IEC 60371-2
Total Substance	243 ± 23 g/m <sup>2</sup>	448 ± 30 g/m <sup>2</sup>	IEC 60371-2
Mica Paper	120 ± 10 g/m <sup>2</sup>	250 ± 20 g/m <sup>2</sup>	IEC 60371-2
	49%	55%	IEC 60371-2
Glass Cloth	33 ± 3 g/m <sup>2</sup>	33 ± 3 g/m <sup>2</sup>	IEC 60371-2
	14%	7%	IEC 60371-2
Resin Content	90 ± 10 g/m <sup>2</sup>	165 ± 16 g/m <sup>2</sup>	IEC 60371-2
	37%	36%	IEC 60371-2
Tensile Strength	≥ 150 N/cm	≥ 150 N/cm	IEC 60371-2
Volatile Content, 15 mins at 150°C	≤ 0.7%	≤ 0.8%	IEC 60371-2

### Pressing Advice:

Pressing conditions (to achieve form stability):	
Temperature	130 - 180°C
Time	8.0 - 0.5 Hours
Pressure	1 - 2 N/mm <sup>2</sup>
Example	1 hour at 160°C, 2 N/mm
Material is fully cured after 4 hours at 160°C	

### Availability:

Calmicaglas 0893 is available in 0.18mm and 0.28mm thicknesses and in 50m long rolls. It is sold by the 1m wide log roll, by the metre, or can be cut to suit your requirements.

Associated Gaskets carry a wide range of thermal insulation, sealing materials and specialised electrical products. For more information on these products and many more, please visit our website or call your nearest AG branch.

Visit: [www.agaus.com.au](http://www.agaus.com.au)

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Important  
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