

	TECHNICAL SPECIFICATIONS		
	Calcined muscovite mica tape - glass cloth		
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TDS-2 (English)	5/01/2015	1	

Free of halogens and toxic gases, the glasscloth mica tape is used in the fabrication of fire resistant cables. Being high flexible, you can easily use it with high speed taping machines.

The glass cloth muscovite mica tape consists of a thin muscovite mica paper which is steeped in a specific high temperature binder and strengthened thanks to a glass cloth outside the mica. Even if the silicone binder is converted into inorganic dioxide when the mica is exposed to flames, the mica keeps a high electrical insulation at high temperature. Moreover, this mica product produces no toxicity at all and therefore there is no need of any specific protection.



Any dimensions upon request (pads and spools).

Mica tape 0,11 mm - ref : CM-0,11 FG 32

Properties		Standard (*)	Values	Units
Composition	Tape thickness	IEC 371-2	0,11 ± 0,015	mm
	muscovite mica content	IEC 371-2	78 ± 5	g/m2
	glass content	IEC 371-2	32 ± 2	g/m2
	binder content	IEC 371-2	22 ± 3	g/m2
	total weight		132 ± 5	g/m2
Weight loss		IEC 371-2	< 0,5	%
Water absorption		IEC 371-2	< 0,5	%
Dielectric strength		IEC 371-2	> 1,5	KV/layer
Tensile strength		ISO 527	> 100	N/cm

Mica tape 0,12 mm - ref : CM-0,12 FG 32

Properties		Standard (*)	Values	Units
Composition	Tape thickness	IEC 371-2	0,12 ± 0,015	mm
	muscovite mica content	IEC 371-2	105 ± 6	g/m2
	glass content	IEC 371-2	32 ± 2	g/m2
	binder content	IEC 371-2	27 ± 3	g/m2
	total weight		164 ± 8	g/m2
Weight loss		IEC 371-2	< 0,5	%
Water absorption		IEC 371-2	< 0,5	%
Dielectric strength		IEC 371-2	> 1,6	KV/layer
Tensile strength		ISO 527	> 100	N/cm

Mica tape 0,14 mm - ref : CM-0,14 FG 32

Properties		Standard (*)	Values	Units
Composition	Tape thickness	IEC 371-2	0,14 ± 0,015	mm
	muscovite mica content	IEC 371-2	132 ± 5	g/m2
	glass content	IEC 371-2	32 ± 2	g/m2
	binder content	IEC 371-2	33 ± 3	g/m2
	total weight		197 ± 10	g/m2
Weight loss		IEC 371-2	< 0,5	%
Water absorption		IEC 371-2	< 0,5	%
Dielectric strength		IEC 371-2	> 1,6	KV/layer
Tensile strength		ISO 527	> 120	N/cm