mica tapes europe	TECHNICAL SPECIFICATIONS **Fire Resistant mica tape: phlogopite - PET film**		
	Reference **TDS-3 (English)**	Date **09-11-20**	Total page number **1**

Free of halogens and toxic gases,the mica tape is used in the fabrication of fire resistant cables. Being highly flexible, you can easily use it with high speed taping machines when high insulation of the conductor is required at room temperature.

The tape consists of a thin phlogopite mica paper impregnated with a specific high temperature binder and backed with a polyester film.
While the silicone binder is converted into inorganic silicium oxide, when the cable is exposed to flames, the mica keeps a high electrical insulation property at high temperature.
The mica tape is absolutely not toxic and therefore there is no specific protection needed.

Conditioning in pads and spools are available; dimensions upon request.

Mica tape 0,08 mm - ref : P-0,08 PE 25

Properties		Standard	Values	Units
Composition				
	Tape thickness	IEC 371-2	0,08 ± 0,02	mm
	Phlogopite mica content	IEC 371-2	80 ± 5	g/m2
	Polyester film - 25 µ	IEC 371-2	25 ± 2	g/m2
	Binder content	IEC 371-2	10 ± 4	g/m2
	total weight		115 ± 5	g/m2
Weight loss		IEC 371-2	< 0,5	%
Water absorption		IEC 371-2	< 0,5	%
Dielectric strength		IEC 371-2	> 6	KV/layer
Tensile strength		ISO 527	> 60	N/cm

Mica tape 0,11 mm - ref : P-0,11 PE 25

Properties		Standard	Values	Units
Composition				
	Tape thickness	IEC 371-2	0,11 ± 0,02	mm
	Phlogopite mica content	IEC 371-2	120 ± 5	g/m2
	Polyester film - 25 µ	IEC 371-2	25 ± 2	g/m2
	Binder content	IEC 371-2	15 ± 4	g/m2
	total weight		160 ± 10	g/m2
Weight loss		IEC 371-2	< 0,5	%
Water absorption		IEC 371-2	< 0,5	%
Dielectric strength		IEC 371-2	> 6,5	KV/layer
Tensile strength		ISO 527	> 60	N/cm

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Mica tape 0,12 mm - ref : P-0,12 PE 25

Properties		Standard	Values	Units
Composition				
	Tape thickness	IEC 371-2	0,12 ± 0,02	mm
	Phlogopite mica content	IEC 371-2	140 ± 5	g/m2
	Polyester film - 25 µ	IEC 371-2	25 ± 2	g/m2
	Binder content	IEC 371-2	15 ± 4	g/m2
	total weight		180 ± 10	g/m2
Weight loss		IEC 371-2	< 0,5	%
Water absorption		IEC 371-2	< 0,5	%
Dielectric strength		IEC 371-2	> 7,0	KV/layer
Tensile strength		ISO 527	> 60	N/cm