

vonRoll coated materials

Thermopreg® 206.25

► High flexibility

► Excellent bonding characteristics

► Wide range of thicknesses

General description

Thermopreg® 206.25 consists of Nomex® calendared aramid paper coated on both sides with an epoxy resin in B-stage.

Application

Thermopreg® 206.25 can be used for example as inter turn insulation in class F field coils, as reinforcement of Roebel transposition cross overs or as central separator in two layer conductor stacks. Thermopreg® 206.25 can also be used for its high bonding characteristics.

Form of delivery

Thermopreg® 206.25 might be delivered in 50m standard rolls (910mm wide) or as tape from 20 mm width.

Other thicknesses possible on request.(Subject to production minimum quantities)

Main characteristics

Thermopreg® 206.25 is a "B" stage material with excellent electrical properties and a high flexibility. After pressing and curing Thermopreg® 206.25 develops outstanding bonding characteristics at temperatures up to 180°C.

Please note that the product is supplied with a blue interleaving foil which must be removed before application.

Processing

To obtain good interlayer bond, stable in performance at Class F temperature we recommend to use Thermopreg® 206.25 under following conditions:

.Curing time of the machine (copper) 165°C

.Time at temperature : minimum 3 hours

.Pressure: 200 N / cm²

Shelf life

Min. shelf life at 20°C: 6 months

Min. shelf life at 5°C:12 months

Health and safety

While processing Thermopreg® 206.25 we recommend to follow all hygiene and safety standards.

Nomex® is a trade mark of DuPont.

Quality: 0.12

		Value	Test norm
Pressed thickness	mm	0.08 ± 0.02	IEC 60626-2
Thickness	mm	0.12 ± 0.02	IEC 60626-2
Total weight	g/m ²	100 ± 10	ISO 536
Resin content	g/m ²	35 ± 5	IEC 60371-2
Breakdown voltage	kV	≥1.5	IEC 60243-1

Quality: 0.16

		Value	Test norm
Pressed thickness	mm	0.12 ± 0.03	IEC 60626-2
Thickness	mm	0.16 ± 0.03	IEC 60626-2
Total weight	g/m ²	150 ± 15	ISO 536
Resin content	g/m ²	35 ± 5	IEC 60371-2
Breakdown voltage	kV	≥2.5	IEC 60243-1

Quality: 0.22

		Value	Test norm
Pressed thickness	mm	0.18 ± 0.03	IEC 60626-2
Thickness	mm	0.22 ± 0.03	IEC 60626-2
Total weight	g/m ²	210 ± 20	ISO 536
Resin content	g/m ²	35 ± 5	IEC 60371-2
Breakdown voltage	kV	≥3.5	IEC 60243-1

Quality: 0.28

		Value	Test norm
Pressed thickness	mm	0.24 ± 0.04	IEC 60626-2
Thickness	mm	0.28 ± 0.04	IEC 60626-2
Total weight	g/m ²	285 ± 30	ISO 536
Resin content	g/m ²	35 ± 5	IEC 60371-2
Breakdown voltage	kV	≥4	IEC 60243-1

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