ISOSEAL® MF 0611, MF ME 2411

Description:

ISOSEAL® MF 0611 consists of impregnated mixed polyester-glass-fabric combined with PET-film.

ISOSEAL® MF ME 2411 additionally contains a metallic salt (zincnaphtenat) suitable for epoxy-anhydride systems.

Properties:

ISOSEAL® MF is a thermo-shrinkable tape.

During impregnation the resin can penetrate through the layers of the ISOSEAL® MF tape into the main insulation. During curing process ISOSEAL® MF will shrink under temperature and prevent a drain out of resin and give some pressure to the main-insulation.

Application:

ISOSEAL® MF is used as final layer above the porous tapes in the production of VPI-insulation windings.

Materials:

ISOSEAL® MF 0611 consists of impregnated mixed polyester-glass-fabric combined with PET-film.

ISOSEAL® MF ME 2411 additionally contains a metallic salt (zincnaphtenat) suitable for epoxy-anhydride systems.

Formats:

Rolls:	max. width 1080 mm
Tapes:	from 10 mm width upwards

Storability:

Unlimited under normal condition (20° C; 50 % r. h.)

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Technical Data

Type			MF 0611	MF ME 2411
Properties	**Test method**	**Unit**	**Value**	**Value**
Nominal thickness	DIN 0863	mm	0.09	0.09
Tolerance	DIN 0863		± 0.01	± 0.01
Total substance	IPV 4	g/m²	86 ± 9	86 ± 9
Glass-polyester-fabric		g/m²	25 ± 3	25 ± 3
PET-film		g/m²	27 ± 2	27 ± 2
Resin content		g/m²	34 ± 4	34 ± 4
Accelerator	IPV 19	mgZn/m²		350 ± 50
Tensile strength	DIN 53455	N/10mm	≥ 60	≥ 60
Elongation	DIN 53455	%	≥ 20	≥ 20
Breakdown voltage	IEC 243	kV	≥ 3	≥ 3
Shrinking after 2 h at 75° C 120° C 150° C	IPV Nr.22	%	≤ 1 ≥ 8 ≥ 14	≤ 1 ≥ 8 ≥ 14
Colour			ferric oxide (brown)	ferric oxide (brown)

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