

TECHNICAL DATA

HYPERTEN® 3000ZF - High Tensile Strength Banding Tape

DESCRIPTION

A resin impregnated uni-directional glass banding tape with high tensile strength, Class H (180°C).

The resin system is cured to a 'B stage' during manufacture to provide a flexible, conformable tape.



APPLICATIONS

Hyperten® 3000ZF is designed for the banding of high-speed armatures and rotors.

When using Hyperten® 3000ZF, it has to be taken into calculation that this tape has a higher tensile strength than standard Hyperten® 2000HP, otherwise, other process parameters are the same.

PHYSICAL PROPERTIES

Property	Units	Values	Test Method
Thickness	mm	0.32 ± 0.03	IEC 60371-2
Total weight	g/m ²	550 ± 50	IEC 60371-2
Glass content	g/m ²	400 ± 40	IEC 60371-2
Resin content	%	27 ± 3	IEC 60371-2
Tensile strength cured	N/cm	4000	IEC 60371-2
Banding tension	N/cm	1200	IEC 60371-2
Thermal class	°C	180 (Class H)	IEC 60085
Shelf life	at 20°C	Months	12 minimum
	at 15°C	Months	8 minimum
Curing time	at 120°C	Hours	24
	at 130°C	Hours	5
	at 150°C	Hours	3
	at 165°C	Hours	1.5

PACKAGING & AVAILABILITY

Standard widths	20mm, 25mm (Other on request)
Standard roll lengths	100m, 200m (Others on request)
Standard core	82mm plastic (Others on request)

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