

TECHNICAL DATA

VIDACORD® KGE - Resin Impregnated Bracing Cords

DESCRIPTION

The Vidacord® KGE range consists of round & flat profile knitted 'E' glass texturised yarns impregnated with B-stage epoxy novolac resin. Thermal rating 155°C (Class F) according to IEC 60085.

TYPICAL CHARACTERISTICS

The resin is cured to B-stage to produce a product with sufficient flexibility to enable threading around the end windings whilst, at the same time avoiding an excess amount of tack.

Subsequent curing will produce a hard, rigid material capable of restraining the end winding whilst in service.

This curing may be carried out during the course of normal varnish treatment and baking.

APPLICATIONS

The Vidacord® KGE range are employed as bracing cords in the end-windings of resin-rich insulated rotating electric machines, where the windings will not be impregnated via VPI.

STANDARD DIMENSIONS

Vidacord® Type	Profile	Diameter	Width	Thickness
KGE	Round	6mm ± 2mm	/	/
KGE	Round	10mm ± 2mm	/	/
KGE	Round	12mm ± 2mm	/	/
KGE	Round	16mm ± 2mm	/	/
KGE	Round	19mm ± 2mm	/	/
KGE	Round	22mm ± 2mm	/	/
KGE	Round	25mm ± 2mm	/	/
KGE/VB2	Flat	/	19mm ± 3mm	2mm ± 0.5mm
KGE/VB2	Flat	/	25mm ± 3mm	2mm ± 0.5mm
KGE/VB2	Flat	/	35mm ± 3mm	2mm ± 0.5mm
KGE/VB3	Flat	/	19mm ± 3mm	3mm ± 0.5mm
KGE/VB3	Flat	/	25mm ± 3mm	3mm ± 0.5mm
KGE/VB3	Flat	/	35mm ± 3mm	3mm ± 0.5mm
KGE/VB4	Flat	/	19mm ± 3mm	4mm ± 1.0mm
KGE/VB4	Flat	/	25mm ± 3mm	4mm ± 1.0mm
KGE/VB4	Flat	/	35mm ± 3mm	4mm ± 1.0mm
KGE/VB5	Flat	/	30mm ± 3mm	5mm ± 1.0mm
KGE/VB5	Flat	/	40mm ± 3mm	5mm ± 1.0mm

CURE & SHELF LIFE

Cure time @ 150°C	4 hours
Post cure @ 160°C	16 hours - to achieve ultimate mechanical properties
Shelf-life @ 20°C	12 months
Shelf-life @ 5°C	6 months

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