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HYPERSEAL® 1A & 1AG

Resin Rich Sealing Tape

DESCRIPTION

Hyperseal® 1A - Woven polyester fibre impregnated with polyester resin, 155°C (Class F).
Hyperseal® 1AG - Woven glass fabric impregnated with polyester resin, 155°C (Class F).

Hyperseal® 1A and 1AG are supplied in a soft, tacky condition, ideal for bedding around both regular and complex shapes. Initial heating after application causes the resin to flow and seal the tape, with full cure being achieved after a minimum of 30 minutes @ 120°C.

APPLICATIONS

Hyperseal® 1A, being based on polyester fibre, shrinks slightly during cure, thus aiding consolidation, but is not recommended for use where overload conditions could cause short-term temperature rises over 180°C.
Hyperseal® 1AG, being based on 100% glass fabric is particularly suitable for applications where overload conditions resulting in excessive temperature rises could occur.
Hyperseal® 1A and 1AG and intended for use as sealing and finishing tapes and a wide variety of electrical and electronic equipment, including:

→ Small, non-impregnated coils
→ Field coils
→ Resistance bobbins
→ Transformer cores
→ Armature conductor stacks

For improved bedding and conformability, it is recommended that Hyperseal tapes are applied to components that have been pre-heated to 40 - 50°C.

TYPICAL PROPERTIES	HYPERSEAL® 1A	HYPERSEAL® 1AG
Base fabric	Woven Polyester	Woven Glass
Thickness	0.08mm	0.05mm
Resin type	Unsaturated Polyester	Unsaturated Polyester
Resin pick-up	300 ± 20%	300 ± 20%
Tensile strength	9N/mm	14N/mm
Thermal class	155°C (Class F)	155°C (Class F)
Maximum short-term temperature	180°C	250°C
Recommended cure time @ 120°C	30 minutes	30 minutes
Minimum shelf life @ 20°C & 5°C	3 & 6 months	3 & 6 months

Chemical resistance, fully cured - Resistant to water, weak acids and alkalis, brine solutions, transformer and lubricating oils and most insulating varnish and resin systems.
Solvent resistance - Resistant to conventional insulating varnish for normal impregnation and curing cycles. Prolonged immersion can cause swelling of the tape resin system.

SUPPLY PARAMETERS	
Standard widths	15, 20, 25, 30, 1000mm, others on request
Roll lengths	50 metres, others on request
Roll centres	25, 55 & 76mm plain or notched, others on request
Interleaving	Blue Polythene