

Insulation System:	HiFLEX™
Description	Resin rich hot pressed cell incorporating fully cured flexible coil extension outhangs
Up to 15,000V	✓
Guaranteed Flexibility in outhangs	✓
Full Corona Protection on Coils ≥ 6,000V	✓
Guaranteed Storage Life Under Approved Conditions	✓
Optional Tropical Climate Protection	✓
Guaranteed Tan δ / Tip Up Integrity	✓
Thermal Performance:	
Class F155°C	✓
Class H180°C	
Class C220°C	
Surge Comparison or Turn To Turn Tested	✓
AC Flash Tested	✓
Moisture Proof Capability	✓
Oven Baking Required To Cure	
Fully Cured Before Insertion	✓
Tested Before Dispatch	✓ *

* Coils fully tested before dispatch.



Our world leading, fully cured, totally flexible insulation system

HiFLEX™ is a fully cured film / mica paper / film tape with unidirectional glass to enhance mechanical characteristics, bound with an acrylic resin.

- Exceptionally low Partial Discharge
- Coils are fully tested at point of manufacture guaranteeing dielectric integrity
- Coils can then be step-down tested before being inserted and throughout the repair process
- HiFLEX™ coils are fully cured but totally flexible in the endwinding (coil extension outhangs)
- Requires no baking after winding
- Guaranteed storage life - the coils are fully cured so they cannot change state in storage
- Coils are supplied in a vacuum packed, moisture proof bag inside a heavy duty wooden crate as standard
- Thermal Class F 155°C
- Allows total flexibility in its endwinding (coil extension outhangs)
- Guaranteed flexibility of the coils, which is ideal for large two-pole windings, rewinding in situ and for skewed alternator coils

Their flexibility makes them ideal for large two-pole windings, rewinding in situ and for skewed alternator coils. (Winders tell us they love working with HiFLEX coils.) They reduce winding time as a result of improved fit and reduce process time (no baking or impregnation) to speed up the job and minimise risk. What's more, because each coil is fully tested prior to dispatch guaranteeing dielectric integrity and comes with up to a 5 year warranty, you can complete the job with absolute confidence in the outcome.

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