

Insulation System:		
Description		Resin rich hot pressed cell incorporating fully cured flexible coil extensions
Voltage Range @ 50Hz	≤ 3,000V	✓
	≥3,000V ≤ 6,000V	✓
	≥ 6,600V ≤15,000V	✓
Guaranteed Flexibility		✓
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 F155°C		✓
Class H180°C		
Class C220°C		
Surge Comparison or Turn To Turn Tested To 2UN+ 1000V		✓
AC Flash Tested To (2UN + 1000)1.2		✓
Moisture Proof Capability		✓
Oven Baking Required To Cure		
Fully Cured Before Insertion		✓
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.

- 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 end-winding (coil extension)
- Requires no baking after winding
- Requires no varnishing or impregnation
- 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
- Class F 155°C as standard > 6.6kV
- Allows total flexibility in its endwinding (coil extension), which can remain flexible for the machine's cycle
- Guaranteed flexibility of the coils, which is ideal for large two-pole windings, rewinding in situ and for skewed alternator coils

The flexibility of our HiFLEX coils makes them ideal for large two-pole windings, rewinding in situ and for skewed alternator coils. Winders also tell us they love working with HiFLEX coils. They reduce winding time as a result of improved fit and reduce process time (no baking, varnishing 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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