



Energy Solutions Impregnating Resins

Voltaprem Product Overview



Voltaprem

Voltaprem products are specially designed for medium- and high-voltage applications. They are well-suited for application on generators for on- and off-shore wind turbines. They can also be used for general industrial applications, like medium- and high-voltage generators and motors for pumps, compressors, blowers, extruders, mixers, crushers, conveyor belt systems and ship propulsion systems. The products are low emission and VOC-free. They are also compliant with all relevant EU Directives.

Voltaprem offers:

- Suitable for Vacuum Pressure Impregnation (VPI)
- Single Component
- High Temperature Resistance
- Excellent Electrical Properties
- Good Penetration Through Multilayer Insulation Systems
- Compatible with Most Common Mica Tapes



Voltaprem 5000

Industries and Applications

General Industrial Medium- and High voltage Applications

Generators & motors for pumps, compressors, blowers, extruders, mixers, crushers, conveyor belt, systems and ship's propulsion systems

Wind Industry

Generators for on-shore and off-shore wind turbines

The Railway Industry

Traction motors (e.g. highspeed trains, subways, tramways)

Product Attributes and Benefits

Low Emission Polyesterimide Resin

- Styrene- and vinyltoluene-free
- Anhydride- and diallyl phthalate-free
- Minimum exposure in the working area

Very Low Viscosity

- Excellent penetration behavior
- Good impregnation of winding tapes

Easy Processing by Vacuum Pressure Impregnation (VPI)

- Impregnation at ambient temperature
- Very high vacuum can be applied
- No accelerated insulation tapes necessary

Practically Unlimited Tank Stability

- Viscosity-stable at storage

Based on Renewable Raw Materials

High Temperature Resistance

Very Low Tendency to Crack

Good Adhesion to Mica Tapes



Voltaprem 5400

Industries and Applications

Railway Industry

Traction motors (e.g. highspeed trains, subways, tramways)

Product Attributes and Benefits

Low Emission Polyesterimide Resin

- Styrene- and vinyltoluene-free
- Anhydride- and diallyl phthalate-free
- Minimum exposure in the working area

High Thermal and Mechanical Strength

Excellent Electrical Properties

Practically unlimited tank stability

- Viscosity-stable at storage



Voltaprem 5600

Industries and Applications

Repair-Shops

Applications up to 15kV nominal voltage

Product Attributes and Benefits

Epoxy Resin

- Solventless

Low Viscosity

- Easy impregnation of heavily taped windings

100% Filled Windings with Exceptional High Bond Strengths

Excellent Mechanical and Electrical Properties

High Level of Performance in its Resistance to Chemicals and Moisture

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