



# OBA INSULATORS AND CONDUCTORS

DECEMBER 2022 | AUSTRALIA AND NEW ZEALAND

# A COMPREHENSIVE RANGE OF



## ELECTRIC MOTOR REWINDERS & OEMS

We stock and supply a vast range of insulating materials & winding wire - produced by leading manufacturers throughout the world.

- Winding wire
- Varnishes
- High voltage insulation systems
- Nomex®\*
- DMD
- NMN
- Kapton®\*
- Cables
- Fans
- Epoxy glass G10 and G11
- Polyester glass laminate
- Slot wedges – machined, preformed Class F & H wooden
- Tying cords



## SWITCHPANEL - QUANTUM

An extensive range of insulating materials for switchboard manufacturers is on offer, supported by a full fabrication service for the industry.

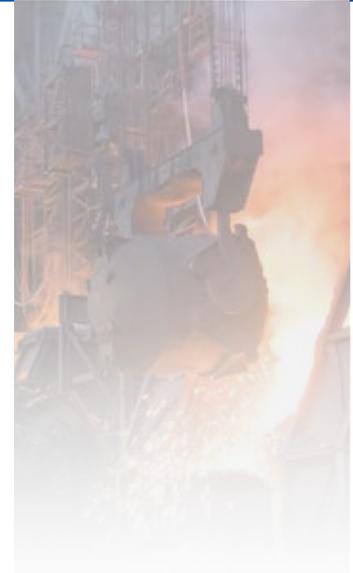
- Switchpanel
- Densified wood
- Paper P1 bown and black bakelite
- Grey and white pvc
- Stand off insulators
- Air dry varnish
- Polyester glass laminates
- Fabric bakelite
- Switchboard cables
- Epoxy glass
- Machined cleats and panels
- Polycarbonate



## TRANSFORMER INDUSTRY

Providing quality materials for your transformer industry requirements is our top priority. With our expanding product range, we are sure meet your needs.

- Transformer board
- Densified wood – unimpregnated Grade KP20224
- Winding wire – round and rectangular
- Paper bakelite – sheet and tubes
- Presspahn
- Epoxy glass G10 and G11
- Polyester glass laminate
- Nomex
- Tapes
- Ptfе cables
- Cotton tapes
- Dogbone



## THERMAL INSULATING MATERIALS

We offer a specialty range of insulating materials that perform at high temperatures. This range includes laminated sheet, tubes, sleeveings, ropes, tapes, cables and adhesives.

- Silicone bonded mica
- C-Therm
- Polyester glass – ESP
- Cables up to 1400°C
- Glass sleeveings and ropes
- Silicone G7 laminate
- Adhesive tapes

# INSULATIONS, WINDING WIRE AND CABLE



## MANUFACTURED PRODUCTS

We manufacture a vast range of insulating components for every industry. We can accommodate all job sizes, from small quick-turn jobs such as a cut panel or tube, to large volume orders. State-of-the-art machinery means we can produce very complex profiles and assemblies, to custom specification.

### Materials

- Switchpanel
- Paper bakelite – grades P1, P2 and P3
- Fabric bakelite
- Epoxy glass G10 and G11
- Polyester glass GPO-3, HT-2 and ESP (high temperature)
- Densified wood – impregnated and unimpregnated

### Manufactured Components

- Machined panels
- Washers
- Bushes
- Tubes
- Gaskets
- Cleats



## HIGH TEMPERATURE CABLES

We offer a full range of world leading Omerin cables covering hazardous conditions from  $-190^{\circ}\text{C}$  to  $+1400^{\circ}\text{C}$ . These cables make use of sophisticated materials like silicone, fibreglass, mineral fibre, fluorinated insulations, polyimides, mica, aramides, polyester, polyolefines and other special elastomeric and thermoplastic insulations.

- High tension cables
- Measurement cables
- Pyrometric cables
- Motor lead
- Silicone insulated cables
- Multi-conductor cables
- Safety cables – fire-resistant and halogen free
- Silicone
- Silicoul 1.1 kV
- Silicoul 3.7 kV
- Silicoul 6.6 kV
- Silicoul 13.8 kV
- Silicable ECS  $180^{\circ}\text{C}$
- Silicable ECSP  $180^{\circ}\text{C}$
- Silicable NVS  $350^{\circ}\text{C}$
- Silicable NVAS  $450^{\circ}\text{C}$



## OTHER INDUSTRIES

Our customers come from just about every industry. So many engineering applications rely on having just the right material. If you have a need that involves insulation materials or conductors our enormous range should have something to suit.

- General engineering
- Lighting industry
- Power tool industry
- Gasket industry
- Aluminum smelters
- Electrical manufacturers
- Cable industry
- Silicone bonded mica
- C-Therm
- High temperature polyester glass
- Adhesive tapes

## WINDING WIRE AND RECTANGULAR STRIP

Round winding wire is available in diameters from 0.125 to 4.5mm, and rectangular strip is available in a full range of sizes.

- Corona resistant Grade Ultra Shield Plus (USP)



## INSULATIONS - FLEXIBLE

Regal Rexnord Australia stocks a full range of flexible electrical insulating materials. Temperature classifications range up to 220°C.

- Hyply / Elepol
- Polyester film
- DMD
- Varnished glass cloth
- Nomex®\*
- NPN
- NKN
- Kapton®\*



## SLEEVINGS AND TYING CORDS

Our sleeveings and tying cords range covers every purpose and application. Sleeveings available include the popular acrylic impregnated glass, silicone coated glass, pure silicone glass, pure glass, and polyurethane coated glass.

- Vidaflex 942 and comparable alternative
- Vidaflex 111
- Vidaflex S500
- Vidaflex SD550 (UL®\* approved)
- Tying cords



## INSULATIONS - TRACTION & HIGH VOLTAGE

Regal Rexnord Australia offers a full range of highly specialised insulations for the traction and high voltage market, from resin rich technologies through to products needed in VPI systems. Regal Rexnord Australia have the world leading suppliers of Von Roll which includes IMI products and JSI/Krempel®\*.

- Resin rich epoxy mica tapes
- Fully cured epoxy mica tapes
- Epoxy sealing tapes
- Conductive tapes
- Semi-conductive tapes



## VARNISHES AND RESINS

Regal Rexnord Australia stock the popular and well know quality brands of Von Roll®\* and Elantas®\* / Sterling®\* varnishes and resins. The high quality varnishes and resins we supply are carefully formulated to provide optimum performance that will extend the life of your electrical equipment proving excellent bonding of conductors and outstanding environmental protection against humidity, dust or corrosive atmospheres. They also have an ability to increase the electrical strength of other insulation.

- Impregnation varnishes for dip, spray & trickle systems
- Varnish types for oven or air dry curing systems
- Water soluble varnishes
- High flash points – for safety & OHS
- Wet winding epoxy
- Conformal coatings & encapsulants
- Epoxy putting
- Masking compounds
- Gwap filling putty

## MOTOR ACCESSORIES

Amongst our range of motor accessories are commonly used fans, heaters and thermistors, bushes and slot wedges.

- Motor Fans And Bushes – In Plastic And Aluminium
- Anti-Condensation Heaters
- Thermistors
- Microtherms
- Slot Wedges – Preformed In Nomex® And Dmd
- Wooden Slot Wedges
- Machined Epoxy Glass G10 & G11 & Magnetic Laminate – To Specific Requirements
- Packers & Strips
- Terminal Blocks
- Inter-Turn Insulation



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## SLOT WEDGES

Regal Rexnord Australia manufactures slot and stator wedges to customer requirements, from the standard single angle on both sides to complex vented & slotted wedges for rotating machines.

- epoxy glass G10 & G11
- magnetic wedges
- preformed DMD and NPN wooden wedges



## TAPES – ADHESIVE

Most of our customers have an application for adhesive tapes, so we have an extensive range of materials, widths, and thicknesses available. We also have the added advantage of being able to slit to size. Popular base products include fibreglass, polyester, Nomex<sup>®</sup>\*, Kapton<sup>®</sup>\* and PTFE.

- Woven glass tapes
- Polyester film tapes
- Filament glass tapes
- Silicone sponge tapes
- Wave solder & fume protection tapes

## CABLES



We have an extensive range of cables for most applications and environments. From high voltage, high temperature to motor lead cables.

- Standard silicones in single or multicore
- 1.1 to 13.8 kv rated performance
- Cables that operate at 1100°C continuously
- Marine cables
- Thermocouples

## MANUFACTURING AND FABRICATION



To best serve our market Regal Rexnord Australia offers full fabrication and manufacturing capabilities from our Victorian site. It is accredited to ISO 9001:2000.

Services we can offer are:

- Cutting
- Drilling
- CNC milling
- CNC routing
- CNC turning
- Tube rolling
- Grinding
- Sanding
- Custom Work



## TAPES – NON-ADHESIVE

We stock a broad range of non-adhesive tapes for many industries available in various thicknesses and widths.

Tapes are used by the electrical industry for wrapping coils, as a protective covering, for insulating conductors, and as mechanical reinforcement. They are used in many applications from the smallest coil to large generators.

- Banding tapes
- Plain glass “R” & “B” weave & polyester tapes – some that shrink when heat is applied
- Cotton
- Mica based
- Crepe paper
- Silicones
- Varnished glass
- Terylene and cotton
- Combinations of glass & polyester



## INDUSTRIAL LAMINATES

Insulating laminates for a wide range of applications operating under various temperature, electrical, and physical requirements are available.

They come in a broad range of materials including traditional bakelites in paper & fabric, to sophisticated insulating materials.

- Switchpanel
- Paper & fabric bakelite
- Densified wood
- Epoxy glass G10 & G11
- Polyester glass
- Melamine G9
- Silicone mica
- Silicone glass G7 & C-Therm

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To view our Standard Terms and Conditions of Sale, please visit <https://www.regalrexnord.com/Terms-and-Conditions-of-Sale> (which may redirect to other website locations based on product family).

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