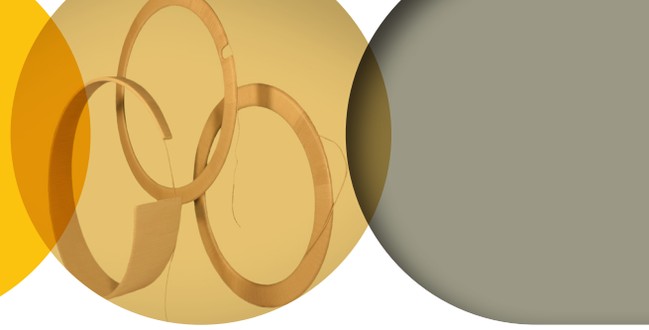
Insulect
VGR RINGS
Reliable Voltage Grading Components for Power



GENERAL DESCRIPTION

VGR Rings are precision-engineered transformer components designed to control electric field distribution and reduce electrical stress at critical points. Manufactured from high-purity cellulose materials with integrated conductive elements, they combine electrical performance, mechanical stability, and long-term compatibility with liquid dielectrics in demanding transformer environments.

FEATURES & BENEFITS

- Class A thermal insulation performance
- High-purity pressboard core
- Integrated conductive design
- Oil-compatible crepe paper sheathing
- Conductive pigtail for reliable electrical connection

APPLICATIONS

- High-voltage winding terminations
- Voltage grading in transformer insulation structures
- Electric field control in critical high-stress zones

GENERAL INFORMATION	
Insulation class	Class A (105 °C) according to VDE 0530 part 1
Core material	Precompressed pressboard
Pulp type	100 % sulphate pulp
Core standard	IEC 641-1 Type B 3.1
Conductive element	Metallized tinsel strip
Electrical connection	E-Cu pigtail, 6 mm rope lay, semi-flexible
Dielectric compatibility	Suitable for liquid dielectrics
Mechanical properties	High purity, low shrinkage, low compressibility
Sizes	Horizontal and vertical lead VGR rings; custom dimensions available on request

MACHINING CAPABILITIES

Insulect provides a comprehensive range of customised manufacturing solutions. Our Brisbane and Melbourne manufacturing sites house an extensive array of machinery and equipment. Coupled with our highly-trained and experienced team, we are able to deliver on the most complex of customer requirements.

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