



GUROFLEX-MV

INSULATING COMPOUND FOR MEDIUM VOLTAGE APPLICATIONS

KEY FEATURES

- For medium voltage applications
- Not subject to classification according REACH and CLP (labelfree)
- Isocyanate and solvent free
- Easy to use
- No temperature rise during reaction
- Cures to a soft solid - No leakage problems
- Storage temperature from -20°C (frost resistant) up to +40°C
- Installation down to -10°C possible

TE Connectivity's (TE) GUROFLEX MV is a two-component cold-pour insulating compound. After mixing and pouring it cures to a soft rubbery solid that will not melt or flow. It has excellent electrical characteristics and is suitable for a wide range of bulk insulation applications in medium voltage electrical power equipment.

Because GUROFLEX MV is a cold pour material there are none of the serious hazards associated with the heating and pouring of conventional bitumen or oil-based insulating compounds. One of the outstanding advantages of its chemical make-up is that GUROFLEX MV is non-hazardous and does not contribute to environmental problems. The liquid components are not subject to any safety classification.

The principal application for GUROFLEX MV is as a filling compound for cable termination boxes and bus bar enclosures associated with transformers, switchgear and motors. It is the ideal solution for non-air-clearance cable boxes where the phase metalwork cannot be satisfactorily insulated with heat-shrink components or other applied insulation.

The curing reaction of GUROFLEX MV is insensitive to temperature, making it feasible to mix and pour the compound in very cold or hot ambient conditions. The cured compound can be cut out of the enclosure if connections have to be changed at a later date. No heat is required.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.



TE's GUROFLEX MV has undergone extensive testing based on the requirements of CENELEC cable accessory performance standard HD 629.1 (including the requirements of IEC 60502-4) for rated voltages up to 36 kV. Additional testing has included impulse voltage withstand at 250 kV (prescribed level for 52 kV cable systems).

TECHNICAL DATA	
Color	blue
Shelf Life	24 months
Reaction Temperature	none
Pot Life at 23 °C	40 mins
Storage Temperature	-20 °C min/40 °C max
Hardness	10 Shore A
Tensile Strength	0,5 MPa
Elongation at break	140 %
Dielectric strength	25 kV/mm

GUROFLEX MV is unaffected by the presence of residues of traditional oil-based hot-pour filling compounds. GUROFLEX MV produces no heat during the reaction. No "topping-up" is needed and the equipment can be energised immediately after filling. Once the compound has cured to a cross-linked solid there is no possibility of leakage from gaskets or cable glands.

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