

Raychem

KGEL-FLEX

Flexible setting insulating compound for void filling to 36kV



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).

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 nonhazardous 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-airclearance 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.

Key Features:

- Suitable for LV & MV Applications
- Not subject to special handling consideration
- Isocyanate and solvent free
- Easy to use
- No temperature rise during curing
- Cures to a soft-solid, no leakage problems
- Storage temperature from -20C (frost resistant) up to +40C
- Installation possible down to -10C

Technical Data	
Colour	Blue
Shelf life	24 Months
Reaction temp.	None
Storage temp.	-20C min / 40C max
Hardness	10 Shore A
Tensile strength	0.5 MPa
Elongation @ break	140%
Dielectric strength	25 kV/mm

ORDERING OPTIONS

Part Number	Description
KGEL-FLEX-1L	GUROSIL Gel Cartridge (250ml) Including Mixer Nozzle
KGEL-FLEX-5.3L	GUROSIL Gel Cartridge (250ml) Including Mixer Nozzle, Terminal Strip
KGEL-FLEX-10L	Turbo Mixer Nozzle for Re-use of Partial Portion of KGEL-IP68-RF