

G38A Compound



Prysmian G38A cable box filling compound is a “hot-pour” compound designed to provide an oil resistant high voltage cable joint, termination box or transformer filling compound for medium voltage (MV) cables up to 36kV – supplied as standard in 25 litre tins.

G38A hot-pour compound is heated prior to pouring into the cable box, box or transformer.

Protective clothing should be worn to prevent accidental skin burns – this should include gloves, boots, overalls and eye protection.

G38A hot-pour compound must be heated in a clean and dry compound bucket to prevent carbonised deposits being introduced from previous heating operations. Hot pour compounds will tend to contract on cooling and it is necessary for a “top-up” pouring to complete the high voltage insulation to MV cable boxes, switchgear or transformers.

Handling of Prysmian G38A Compound

G38A compound should be heated in a dry compound bucket, which should be cleaned out by heating and scraping prior to re-use. It is important that the container is clean to prevent carbonised deposits being introduced from previous heating operations in the same receptacle.

G38A compound should be transferred into the bucket and placed over the heating apparatus. A lid or cover should be fitted to keep out dust and foreign matter while heating. As the compound melts, it should be stirred frequently to ensure even mixing, thus avoiding the risk of carbonisation. The lid should be replaced on each occasion.

The compound shall be uniformly heated with no signs of degradation (carbonisation) or contamination and then poured within the specified temperature range (105-125°C for G38A).

Where a compound has solidified in the bucket, it is dangerous to try to re-melt it by direct heat applied to the bottom. Again, this can cause carbonisation. Heating should be gradual, starting on the container sides as above.

The compound will tend to contract by approximately 6% on cooling. As a result, there will be a necessity for a ‘top-up’ pouring.

The accessory may be energized when compound temperature falls below approximately 60°C.

Prysmian G38A compound can be disposed of by controlled incineration or in an approved landfill area according to local regulations.

Technical Specification:

Specific Gravity (g/cm ³) '@ 20°C	0.97
Thermal expansion coefficient	0.0007
Flash Point (Open Cup, °C)	228
Viscosity (cst) @ 20°C	200,000
@ 40°C	10,500
@ 60°C	1,200
Pouring Range (°C)	105-125
Colour in bulk	Dark Amber
Dielectric Withstand (BS 1858)	30kV for 1 minute
Power Factor @ 60°C	0.005 (max)
Moisture Content (%)	< 0.01