



Prysmian
Group

G38A

Prysmian Joint, Termination & Box Filling Hot Pour Compound

Handling Instructions

Prysmian G38A cable box filing 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 standard in 25 litre tins.

Prysmian BICON G38A Hot Pour Compound F7003855 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.

Prysmian BICON G38A Hot Pour Compound F7003855 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.

The 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 (110-115°C for G38A) .

Where a compound has solidified in the bucket, it is dangerous to try to remelt 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.

The Prysmian BICON G38A Hot Pour Compound can be disposed of by controlled incineration or in an approved landfill area according to local regulations.

Applications:

- Filling compound suitable for power cable joints, transformers and termination boxes.
- Designed to provide an oil resistant joint or box filling compound for PILC cables up to 33kV.
- Semi-solid filling compound.

Specifications

| Compound Selection | | | |
|--------------------|--------------------------|------------------|--------------------------------------|
| Part Number | New Prysmian Part Number | Reference Number | Description |
| UF7003855 | CGBUF7003855 | CGBUF7003855 | G38A Hot Pour Compound 25 Litre Drum |

Technical Characteristics of G38A (F70038-55):

Specific Gravity (g/cm³) @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: 1200.

Pouring range (°C): 105-115.

Colour in bulk: Dark amber.

Dielectric Withstand (BS1858): 30kV for 1 minute.

Power Factor @60°C: 0.005 (max).

Moisture content (%): <0.01.

FREE Technical Advisory Service

Etech maintains a free technical advisory service.

Enquiries concerning this and all other products should be directed via the sales office:- +44(0) 1744 762 929