

ITCOGEL C 480 (SC)

ITCOGEL C 480 (SC) Flooding Compound (Water Swellable Thixotropic Jelly) is a water - blocking compound based on speciality base oil and swellable polymers. It has been specially formulated for interstitial filling of the core in Optical Fibre Cables and the space below the steel armouring in case of armoured type cables.

ITCOGEL C 480 (SC) exhibits good stability in a cable core over a wide temperature range and is an excellent choice for complete water – tight cables.

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| Appearance | Opaque Amber Viscous Gel | Visual (Erichsen Gauge 100 μ) |
| Flash Point COC - °C | > 230 | ASTM D 92 |
| Drop Point - °C | > 200 | ASTM D 566 |
| Viscosity at 25°C, 100 rpm - cps | 34000 ± 5000 | Brookfield Viscometer HADV, Spindle No. 7 |
| Cone Penetration - 1/10 mm at + 25°C | > 280 | ASTM D 937 |
| Density at 25°C - g/cm ³ | 0.88 ± 0.01 | ASTM D 1217 |
| Volatility, 24 hrs at 100°C - % | < 1 | FTM 791 C |
| Oil Separation, 24 hrs at 100°C - % | < 0.8 | FTM 791 C |
| Swelling Capacity - times | > 15 | ITCO: ITM 11 |
| Water Encapsulation Time - minutes | < 3 | ITCO: ITM 27 |

Packing In metal drums with epoxy lining : Height – 885 mm, Internal Diameter – 570 mm, 180 Kg Nett weight.
Bulk Bag (Fluid Bag) with 700 / 750 Kg Nett weight.

Storage Minimum 3 years in original packed condition stored at room temperature.

Safety As per our knowledge and available information, ITCOGEL C 480 (SC) does not pose any health hazard. For further information, please refer to MSDS a copy of which is available upon request.

Compatibility ITCOGEL C series products have been tested and found compatible with most of the associated cable materials. Further information is available upon request.

Itco Industries Limited

ITCOGEL™

321, Raheja Arcade, Koramangala, Bangalore 560 095 India

Information provided in this Data Sheet is based on our knowledge and experience and is meant for general guidance only, without guarantee or representation as to results. Suitability of the product for an intended use shall be the sole responsibility of the user. We reserve the right to modify the above specified values without notice. For further information regarding material specification and / or application conditions, please contact ITCO Industries Limited.