

## ITCOGEL C 400

ITCOGEL C 400 Flooding Compound (Thixotropic Jelly) is a water-blocking compound used for filling of interstitial space in the core of Optical Fibre Cables. It is based on specialty base oil and has been formulated to meet a wide range of processing and performance requirements especially the drip test and water penetration test.

ITCOGEL C 400 exhibits good stability over a wide temperature range.

Appearance	Translucent Viscous Gel without visible impurities	Visual (Erichsen Gauge 100 $\mu$ )
Flash Point COC - °C	> 230	ASTM D 92
Drop Point - °C	> 200	ASTM D 566
Viscosity at 25°C, 100 rpm – cps	45000 $\pm$ 9000	Brookfield Viscometer HADV, Spindle No. 7
Cone Penetration, 25°C - 1/10 mm	> 280	ASTM D 937
Density at 25°C - g/cm <sup>3</sup>	0.85 $\pm$ 0.01	ASTM D 1217
Volatility, 24 hrs at 100°C - %	< 1	FTM 791 C
Oil Separation, 24 hrs at 100°C - %	< 3	FTM 791 C

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

**Storage** Minimum 3 years in original closed packing condition stored at room temperature.

**Safety** As per our knowledge and available information, ITCOGEL C 400 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**

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*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.*

**ITCOGEL™**