



ITCOGEL C 480 (SC) | TECHNICAL DATA SHEET

ITCOGEL C 480 (SC) Flooding Compound (Water Swellable Thixotropic Jelly) is a water - blocking compound based on specialty 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.

Appearance	Opaque Amber Viscous Gel	Visual (Erichsen Gauge 100 μ)
Flash Point COC - °C	> 200	ASTM D 92
Drop Point - °C	> 200	ASTM D 566
Viscosity at 25°C, 100 rpm - cps	26000 ± 8000	Brookfield Viscometer HADV, Spindle No. 7
Viscosity(Typical)at 25°C,D= 50 1/S - mPas	9000	DIN 53019
Cone Penetration - 1/10 mm at + 25°C	> 280	ASTM D 937
Density at 25°C - g/cm ³	0.92 ± 0.02	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.

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.

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