



## ITCOGEL C 505 | TECHNICAL DATA SHEET

ITCOGEL C 505 is a Core Filling non-thixotropic Jelly used for interstitial filling / flooding of Optical Fibre Cables and filling / flooding of Copper Telecommunication Cables. It is based on synthetic and aliphatic hydrocarbons and has been designed to meet a wide range of processing and performance requirements including the drip test as per REA PE – 39 & REA PE – 89 and water penetration test.

Appearance	White Viscous Jelly without visible impurities	Visual (Erichsen Gauge 100 μ)
Flash Point COC - °C	> 230	ASTM D 92
Drop Point - °C	> 90	ASTM D 566
Kinematic Viscosity at 120°C - cst	150 ± 25	ASTM D 445
Cone penetration, 25°C - 1/10 mm	60 ± 10	ASTM D 937
Density at 25°C - g/cm <sup>3</sup>	0.87 ± 0.01	ASTM D 1217
Oil Separation - %	Zero	IEC 60811-5-1 clause 5
Total Acid Value – mgKOH/gm	< 0.1	ASTM D 974
Resistivity at 100° C - Ω.cm	≥ 10 <sup>14</sup>	ASTM D 1169
Dielectric Constant at 23°C, 1 MHz	≤ 2.3	ASTM D 924
Dissipation Factor		
at 23°C (1 MHz)	< 0.0015	ASTM D 150
at 100°C	< 0.0010	ASTM D 924
Antioxidant	≥ 2000 ppm	

**Packing** In metal drums with epoxy lining: Height – 885 mm, Internal Diameter - 570mm , 170 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 505 does not pose any health hazard. For further information, please refer to MSDS a copy of which is available on request.

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

UD 04/18