

ITCOGEL C 505

ITCOGEL C 505 is a Core Filling non-thixotropic Jelly used for interstitial filling/flooding and water- blocking of Optical Fibre Cables. It is a blend of Synthetic Hydrocarbons (Polyisobutylenes, Polyethylene Wax, etc.). It is also suitable for filling of Copper Telecommunication Cables. It 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.

Appearance	White Viscous Jelly without visible impurities	Visual (Erichsen Gauge 100 μ)
Flash Point COC - °C	> 230	ASTM D 92
Drop Point - °C (Worked)	> 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 ³	0.87 ± 0.01	ASTM D 1217
Oil Separation - %	Zero	IEC 811-5.1 clause 5
Total Acid Value – mgKOH/gm	< 0.1	ASTM D 974
Resistivity at 100°C -ohm-cm	>10 ¹²	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
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.

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.