

## ITCOGEL LF 21

ITCOGEL LF 21 Tube Filling Compound (Thixotropic Jelly) is a soft, non-melting, white opaque, water barrier compound. It is based on synthetic and aliphatic hydrocarbons and has been formulated for use in filling, buffering of loose tube in speciality designs of Optical Fibre Cables.

ITCOGEL LF 21 is a speciality gel with very low density and light weight. It gives additional advantage of high line - speed processing and reduction in weight of cable. It also exhibits good stability over a wide temperature range of - 40°C to + 80°C.

Appearance	Opaque White Gel without visible impurities	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	41000 ± 5000	Brookfield Viscometer HADV, Spindle No. 7
Cone Penetration - 1/10 mm at + 25°C at - 40°C	≥ 370 > 200	ASTM D 937
Density at 25°C - g/cm <sup>3</sup>	0.45 ± 0.02	ASTM D 1217
Volatility, 24 hrs at 100°C - %	< 1	FTM 791 C
Oil Separation, 24 hrs at 100°C - %	Zero	FTM 791 C
Oxidation Induction Time, 190°C, Alu. Pan - minutes	> 30	ASTM D 3895

**Packing** In metal drums with epoxy lining: Height – 885 mm, Internal Diameter – 570 mm, 90 Kg Nett weight. Bulk Bag (Fluid Bag) packing also available on request.

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

**Safety** As per our knowledge and available information, ITCOGEL LF 21 does not pose any health hazard. For further information, please refer to MSDS a copy of which is available upon request.

**Compatibility** Information regarding compatibility of this product with associated cable materials is available upon request.