



ITCOGEL FR 810 | TECHNICAL DATA SHEET

ITCOGEL FR 810 Tube Filling Compound (Thixotropic Jelly) is a soft, non-melting, white opaque, water barrier compound having flame retardant properties. It has been formulated using speciality synthetic hydrocarbons and effective flame retardant materials for use in filling, water-blocking, buffering of loose tube in speciality designs of Optical Fibre Cables.

ITCOGEL FR 810 is a speciality gel which retards the propagation of flame and does not produce dense black smoke ensuring high visibility. It can be used in cables that need to meet Construction Products Regulation (CPR) . It also exhibits good stability over a wide temperature range.

Appearance	Opaque white Gel without visible impurities	Visual (Erichsen Gauge 100 μ)
Flash Point COC - °C	> 240	ASTM D 92
Drop Point - °C	> 200	ASTM D 566
Viscosity at 25°C, D = 50 1/S - mPas	10000 ± 2000	DIN 53019
Cone penetration - 1/10 mm at + 25°C at - 40°C	≥ 370 > 150	ASTM D 937
Density at 25°C - g/cm ³	1.40 ± 0.10	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, 270 Kg Nett weight.

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

Safety As per our knowledge and available information, ITCOGEL FR 810 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.

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