



ITCOGEL T 290 | TECHNICAL DATA SHEET

ITCOGEL T 290 Tube Filling Compound (Thixotropic Jelly) is a soft, non-melting, transparent, water barrier compound. It has been specifically formulated with synthetic hydrocarbons for use in extremely small diameter loose tubes in the production of micro duct cables & also for use in cables with High Fibre Density providing superior performance and optimization of overall cable size & weight. It can also be used for pre-wetting of fibres in extremely tight cable design.

ITCOGEL T 290 remains sufficiently flexible until - 50°C and exhibits good stability even at + 85°C.

Appearance	Transparent Gel without visible impurities	Visual (Erichsen Gauge 100 μ)
Flash Point COC - °C	> 180	ASTM D 92
Drop Point - °C	> 190	ASTM D 566
Viscosity at 25°C, D = 50 1/S - mPas	1800 ± 300	DIN 53019
Cone Penetration-1/10 mm at + 25°C at - 40°C	> 440 > 250	ASTM D 937
Density at 25°C - g/cm ³	0.81± 0.02	ASTM D 1217
Volatility, 24 hrs at 150°C - %	< 1	FTM 791 C
Oil Separation, 24 hrs at 150°C - %	Zero	FTM 791 C
Oxidation Induction Time, 190°C, Alu. Pan – minutes	> 30	ASTM D 3895
Hydrogen Generation, 24 hrs at 80°C - μl/g	< 0.03	ITCO : ITM 28

Packing	In metal drums with epoxy lining: Height - 885mm, Internal Diameter - 570mm, 165 Kg Nett weight. In Bulk Bag (Fluid Bag) with 700 kg nett weight. In IBC with 800 kg Nett weight .
Storage	Minimum 3 years in original packed condition stored at room temperature without any sustained exposure to sunlight.
Safety	As per our knowledge and available information, ITCOGEL T 290 does not pose any health hazard. For further information, please refer to MSDS a copy of which is available upon request.
Compatibility	ITCOGEL T series products have been tested and found compatible with most of the associated cable materials including Fibre Coatings and Colouring Inks. Further information is available upon request.

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