



ITCOGEL T 280 | TECHNICAL DATA SHEET

ITCOGEL T 280 Tube Filling Compound (Thixotropic Jelly) is a soft, non-melting, transparent, water barrier compound. It is based on synthetic and aliphatic hydrocarbons and has been formulated to meet a high line speed processing and performance requirements. It is used in filling, water-blocking and buffering of loose tube in Optical Fibre Cables. It is particularly very interesting and favourable for smaller dia loose tube in production of micro duct cables.

ITCOGEL T 280 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	> 200	ASTM D 92
Drop Point - °C	> 190	ASTM D 566
Viscosity at 25°C, D = 50 1/S - mPas	3400 ± 300	DIN 53019
Cone Penetration - 1/10 mm at + 25°C at - 40°C	> 425 > 230	ASTM D 937
Density at 25°C - g/cm ³	0.82 ± 0.01	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, 170 Kg Nett weight. In Bulk Bag (Fluid Bag) with 750 kg nett weight. In IBC with 825 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 280 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.

UD 04/18