



ITCOGEL T 270 C | TECHNICAL DATA SHEET

ITCOGEL T 270 C Tube Filling Compound (Thixotropic Jelly) is a soft, non-melting, transparent, water barrier compound. It is based on specialty white oils and aliphatic hydrocarbons. It is used for filling and buffering of loose tube in Optical Fiber Cables.

ITCOGEL T 270 C exhibits good stability over a wide temperature range of - 50°C to + 80°C.

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| 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 | 4500 ± 400 | DIN 53019 |
| Cone Penetration - 1/10 mm at + 25°C at - 40°C | ≥ 400 ≥ 230 | ASTM D 937 |
| Density at 25°C - g/cm ³ | 0.84 ± 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 |
| Hydrogen Generation, 24 hrs at 80°C - μ/g | < 0.03 | ITCO : ITM 28 |
| 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, 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 direct exposure to sunlight.

Safety As per our knowledge and available information, ITCOGEL T 270 C 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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