

**VITAGEL MS-T**

**OPTICAL FIBRE CABLE LOOSE TUBE FILLING COMPOUND**

**PRODUCT DISCRIPTION**

Vitagel MS-T has been developed to meet using pressure filling at ambient temperatures and wide range of performance applications. Its soft thixotropic nature allows for stable processing and controlled over feed of optical fibers into the cable. It is appropriately functioning for temperature range -40°C to +85°C. It is most suitable for loose tube filling indirect and direct contact to fibers in optic fiber cables.

**TECHNICAL PARAMETERS**

<b>Sr.No.</b>	<b>Parameter</b>	<b>Unit</b>	<b>Method</b>	<b>Specification</b>	<b>Typical Data</b>
1	Appearance	--	Visual	Transparent gel without visible impurities	Transparent gel without visible impurities
2	Flash Point	°C	ASTM D-92	>230	233
3	Drop point	°C	ASTM D-566	>190	194
4	Viscosity @ 25°C, 50 rpm	cPs	DIN 53019-1	4500±400	4300
5	Viscosity @ 25°C a) 10 rpm b) 100 rpm	cPs	Brookfield Spindle No 7	- 9500±1000	>37000 9450
6	Cone Penetration a) 25°C b) -30°C c) - 40°C	dmm	ASTM D-937	>390 >230 >200	415 236 210
7	Density@ 25°C	g/cm <sup>3</sup>	ASTM D - 1217	0.82±0.03	0.821
8	Evaporation Loss @80°C, 24hr.	%	In house	<1	<0.05
9	Oil Separation 150°C 24 hrs	%	FTM 791C	Nil	Nil
10	Oxidation Induction Time@190°C Alu. Pan	min.	ASTM D -3895	>30	>32
11	Hydrogen Generation, 24Hrs. @ 80°C	µ/g	In-house	<0.03	Nil
12	Volume Resistivity a) 500VDC @100 °C b) 500VDC @ 23°C	Ωm Ωm	ASTM D 1169	≥10 <sup>8</sup> ≥10 <sup>11</sup>	5.1 x 10 <sup>8</sup> 3.4 x 10 <sup>11</sup>

**PACKING AVAILABLE**

1. 170Kg MS open top inside epoxy coated without lid & corrugated drum.
2. 820 kg HM HDPE tote.

**HANDLING & STORAGE**

Keep the material on flat, ventilated, dry and shaded areas. Keep away from direct heat source/ sunlight. Keep tightly close when not in use.

**SAVITA OIL TECHNOLOGIES LTD**

Reg office address: 66/67, 6<sup>th</sup> floor, Nariman Bhavan, Nariman Point, Mumbai, INDIA. Pin 400021.

Contact: Tel: +91-22-22883061, 66246200.

E mail (India): [spisalesadmin@savita.com](mailto:spisalesadmin@savita.com); E mail (Others): [ibdexports@savita.com](mailto:ibdexports@savita.com) website: [www.savita.com](http://www.savita.com)

An ISO 9001:2015 & ISO 14001:2015 certified company