

VITAGEL MS (MD - 50)
OPTICAL FIBRE CABLE FILLING
COMPOUND

PRODUCT DISCRIPTIO

Vitagel MS (MD) has been developed for applications in using pressure filling at ambient temperatures. Its soft thixotropic nature allows for stable processing and controlled overfeed of optical fibers into the cable. It is suitable for performance from temperature range -50°C to +85°C.

Sr.No.	Properties	Unit	Method	Specification	Typical Data
1	Appearance	Visual	In House	Thixotropic air bubble free	Thixotropic air bubble free
2	Working temperature	-	-	-50 to +80	-50 to +80
3	Dropping Point	°C	ASTM D - 566	>170	186
4	Cone Penetration a) 25°C b) - 40°C c) - 50°C	dmm	ASTM D- 937	>330 >230 >180	372 248 185
5	Oil Separation 150°C/24 hrs	%	FTM 791C	<0.8	Nil
6	Volatiles (by weight) 80°C/24hrs.	%	FTM 791C	<0.5	0.012
7	Hydrogen generation @80°C,24hrs.	%	GC	<0.03	<0.03
8	Flash Point	°C	ASTM D- 92	>200	235
9	Density@ 20°C	g/cm3	ASTM D - 1475	0.82-0.85	0.8436
10	Oxidation Induction Time@190°C Alu.Pan - Minutes	Min.	ASTM D - 3895	>30	40
11	Compatibility	-	-	Acrylate, PET,PBT, PA,PC,PP&PE.	Pass
12	Dynamic Viscosity @ 20°C,50 rpm	mPass	DIN 53019	1800±500	2158

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An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 certified company.