

VITAGEL MS (-40C)
OPTICAL FIBRE CABLE FILLING COMPOUND

PRODUCT DISCRIPTION

Vitigel - MS 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 -40°C to +80° C.

<u>Properties</u>	<u>Unit</u>	<u>Method</u>	<u>Specification</u>	<u>Typical Data</u>
Drop point	°C	ASTM D-566	>150	>170
Cone Penetration 25°C	dmm	ASTM D-217	>350	425
Cone Penetration -40°C	dmm	ASTM D-217	>200	240
Oxidation Induction Time	Min.	ASTM D -3895	>30	40
Flash Point	°C	ASTM D-92	>200	235
Oil Separation 150°C 24 hrs	%	FTM 791C	<0.8	Nil
Hydrogen Generation	µl/g	GLC	<0.1	<0.02
Density 25°C	g/cc	IP – 190/93	0.83 – 0.86	0.84
Viscosity 25°C	m Pas	Brookfield	1500-2500	2000
Dielectric Constant 23°C 1 MHz	-	ASTM D-924	<2.3	2.17
Appearance	-	Visual	w/white transparent	w/white transparent