

VITAGEL F (Type II)

OPTICAL FIBRE CABLE FLOODING COMPOUND

PRODUCT DISCRPTION

Vitigel F Typell has been developed for applications in using pressure filling at ambient temperatures. This hydrophobic compound is soft thixotropic and readily pumpable to completely fill the voids to block entry of water. It is flexible at very low temperature and usable over the temperature range of -40°C to +80°C.

PRODUCT PARAMETERS

Sr No	Properties	Unit	Method	Specifications	Typical Data
1	Base material of gel				
2	Nature of gel	-	-	Thixotropic gel	Thixotropic gel
3	Working temp. range	°C		-40 to + 80	
4	Drop Point	°C	ASTM D 566	≥170	≥170
5	Cone Penetration at 25°C	1/10 mm	ASTM D 217	≥280	290
6	Cone Penetration at -30°C	1/10 mm	ASTM D 217	≥200	220
7	Oil separation at 100°C, 24 hrs	%	FTM 791C	≤0.8	Nil
8*	Hydrogen generation 24 hrs at 80°C	µl/gm	To be tested by gas chromatograph	≤0.1	≤0.1
10	Density	g/cm ³	ASTM D 1475 / ASTM D 1217	0.8-0.9	0.86
11	Volatility loss at 100°C, 24 hrs	%	FTM 791C	≤ 1.0	0.8
12*	Compatibility with		ASTM D 4568		
	i) Tube material a) PBTP b) Polyamide – 12 c) PP ii) HDPE iii) Filler and other materials	%	≤ 1.0 ≤ 10.0	≤ 1.0	≤ 0.8
13	Flash point	°C	ASTM D 92 (Din ISO 2592)	≥200	224

Remark: *Tests performed at initial approval/product revision/specific requirement by end user.

Packing available: 170kg & 820kg

Storage conditions: Store in cool, dry and ventilated area. Avoid direct interaction of heat, sunlight. Close tightly when not in use.

Revision No. : 00	Issue No. : 01	Issue Date : 31/10/2022
-------------------	----------------	-------------------------

SAVITA OIL TECHNOLOGIES LTD

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

Contact: Tel: +91-22-22883061, 66246200; E mail: polymers@savita.com; website: www.savita.com

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