

# TECHNICAL DATA SHEET

## HYDROPHOBIC THIXOTROPIC CABLE FLOODING COMPOUND – **COGEL FLC**

**COGEL FLC is a thixotropic, hydrophobic, water-blocking compound used for cable flooding and interstitial filling of optical fibre cables**

### SALIENT FEATURES OF COGEL - FLC :

- Wide temperature range - cogel FLC remains soft and flexible at -40 °C and absolutely non-draining at temperatures up to 150 °C.
- Excellent water blocking properties
- Reduces rejection of cable due to WPT failures
- Soft non-melting gel which is applied at ambient temperature using Conventional cold pumping equipment
- Very high oxidation stability.
- Available in wide viscosity range to suit customers processing requirements.

### COMPATIBILITY:

COGEL- FLC is compatible with most commonly used polymers, PBTB, POLYAMIDE-12, HDPE. Tests on all commonly used materials show no reaction but it is recommended that compatibility tests are made with all materials likely to come into contact with the gel.

### HEALTH & SAFETY:

COGEL FLC is quickly and easily removable by wiping. It is free from unpleasant odor and has no toxic and dermatic hazards.

S.NO.	PROPERTY	UNIT	TEST METHOD	VALUE
1	Colour	--	Visual	Yellow Brown
2	Working temp. range	°C	---	-40 TO +80
3	Cone Penetration @ 25°C	dmm	ASTM D- 217	≥ 280
4	Cone Penetration @ -30°C	dmm	ASTM D- 217	>200
5	Cone Penetration @ -20°C	dmm	ASTM D- 217	>180
6	Drop Point	°C	ASTM D-566	>170
7	Flash Point	°C	ASTM D-92	>200
8	Oil Separation @ 150 °C /24 Hrs	%	FTM-791(321) KP/PT/01/99	≤ 0.8
9	Hydrogen Generation	ul/gm	Gas Chromatograph	< 0.1
10	Relative Density	g/ml	ASTM D-1475 KP/PT/07/99	0.80-0.90
11	Volatility Loss	%	FTM-791(391) KP/PT/01/99	< 1.0
12	Brookfield Viscosity@ 25°C	CPS	Model RVDV-E	50000-80000 (Spindle – 7; 50 RPM)

### PACKAGING:

The materials shall be packed in 180 kg M.S. barrels. The barrels will be properly sealed to ensure prevention of moisture ingress. on each barrel our name, grade, batch no., date of manufacture along with gross weight and net weight will be clearly mentioned.

### GUARANTEE:

Each consignment supplied shall be accompanied by a material safety data sheet and a test Certificate certifying the conformity of the material to the purchasers material specification.

### MFGD BY : CORAL PETRO PRODUCTS.

Plot No. 18 & 19, Phase I, I.P, Pashamylaram, Patancheru Mandal,  
Medak Dist. – 502307, India. Contact No: 08455-224152, Fax : 08455-224153

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