

# TECHNICAL DATA SHEET

## CO-AX FLOODING COMPOUND - **COGEL CAX**

**COGEL CAX is a synthetic type of gel used for flooding of coaxial cables designed and formulated for easy processing and having excellent water blocking properties.**

### **S**ALIENT FEATURES OF COGEL CAX

- Drop point as per customer's specification. Working range: 95 - 105 deg. C
- Viscosity as per customer's specification. Working range: 600 - 1000 cst. At 120 deg. C
- No fibrous structure & even after working
- High dielectric properties & tackiness and can with stand higher temperature
- Excellent stability at high temperatures and superior physical properties of flexibility and film strength.
- COGEL CAX incorporated with oxidation & corrosion inhibitors to protect conductor under several climatic conditions.

### **COMPATIBILITY:**

COGEL CAX is compatible with most cable grade polymers. Tests on all commonly used Materials show no reaction but it is recommended that compatibility tests are made with all Polymers likely to come into contact with the gel.

### **HEALTH & SAFETY:**

COGEL CAX is quickly and easily removable. It is free from unpleasant Odour and have no Toxic and derma tic hazards. It is also non-corrosive.

Sr. NO.	PROPERTY	UNIT	TEST METHOD	VALUE
1	Color	ASTM	ASTM D-1500	L 0.5
2	Drop point	Deg. c	IP 371	95 - 105
3	K. Viscosity at 120 ° C	Cst	ASTM D 445	600 - 1000
4	Cone penetration @ 25 ° C	Dmm	ASTM D 937	40 -50
5	Separation of oil @ 70°C/24HRS	%	FTM 791 C (321)	ZERO
6	Acidity	mg. KOH/gm	ASTM D 974	0.05 max
7	Flash point	DEG.C	ASTM D-92	220 MIN
8	D.C.Volume resistivity at 100 °C	Ohm-cm	ASTM D 1169 (B)	1 x 10 <sup>12</sup> min
9	Dielectric constant at 20 °C, 1 MHz	--	ASTM D 924	2.2 max
10	Dielectric losses at 20 deg. C	Nil	ASTM D 924	0.0005 max
11	Toxicity	--	TEC GR. No. GR/CUG-01/03. AUG 2003	No Toxic or Dermal Hazards
12	Corrosion	--I	IEC 811-5-1 CLAUSE-8	No Corrosion
13	Handling	--	TEC GR. No. GR/CUG-01/03. AUG 2003	Easily Removable
14	Tackiness	Kg/cm <sup>2</sup>	Internal	20 min

### **PACKINGS:**

The materials shall be packed in 170 – 200 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.**

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