

TECHNICAL DATA SHEET

CABLE FLOODING COMPOUND - COGEL F5

COGEL F5 synthetic jelly used for flooding of polyethylene insulated copper conductor telecommunication cables designed and formulated for easy processing and having excellent water blocking properties

SALIENT FEATURES OF COGEL F5

- Drop point as per customer's specification. Working range: 80 - 90 deg. C
- Viscosity as per customer's specification. Working range: 80 - 120 cst. At 120 deg. C
- Compatible with polyethylene insulation, polypropylene binders, tapes and all other materials used in PIJF cables.
- Very low shrinkage leaves no voids inside the cable after cooling ensuring ZERO water penetration test failures.
- Excellent stability at high temperatures and superior physical properties of flexibility and film strength.

COMPATIBILITY:

COGEL F5 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 F5 is quickly and easily removable. It is free from unpleasant Odour and have no Toxic and derma tic hazards. It is also non-corrosive.

S.NO.	PROPERTY	UNIT	TEST METHOD	VALUE
1	Color	ASTM	ASTM D-1500	L 6.0
2	Drop point	Deg. c	IP 371	80 - 90
3	K. Viscosity at 120 ° C	Cst	ASTM D 445	80 – 120
4	Cone penetration @ 25 ° C	Dmm	ASTM D 937	40 – 60
5	Separation of oil @ 50°C/24HRS	mm	IEC 811-5-1 CLAUSE-5	≤ 7
6	Acidity	Mg.KOH/gm	ASTM D 974	0.05 max
7	Flash point	DEG.C	ASTM D-92	200 MIN
8	D.C.Volume resistivity at 100 ° C at 200 ° C	Ohm-cm	ASTM D 1169 (B)	5 x 10 ¹⁰ min 5 x 10 ¹² min
9	Dielectric constant at 20 deg. C, 1 MHz	--	ASTM D 924	2.3 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
12	Handling	--	TEC GR. No. GR/CUG-01/03. AUG 2003	Easily Removable

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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