



## Technical Data

### Telecom Cable Filling Compound BND-5

Properties	Unit	Test Method	Range	Typical
Compound Separation	-	ITD-143B	No. Separation	No Separation 50°C, 5 days
Drop Point	°C	IP-371	> 70	78
Cone Penetration (25°C)	1/10	ASTM-D 937	> 40	55
Flash Point	°C	ASTM-D 92	> 230	270
Colour	--	ASTM-D 1500	< 5	4.5
Total Acid Value	mg/KOH/gm	ASTM-D 974	< 0.05	0.02
Absence of corrosion component	--	--	No Corrosion	No Corrosion
Volume Resistivity (100°C)	Ω cm	ASTM-D 1169 B	> 5 x 10 <sup>10</sup>	> 10 <sup>12</sup>
Relative permittivity (20°C)	--	ASTM-D 924	<2.3	2.2
Dissipation Factor (20°C)	--	ASTM-D 924	< 0.0005	0.0003
Absorption (weight gain)	%	--	<10	8 (MDPE)



## Technical Data

### Cable Filling Compound SAVOFIL EG-2

Properties	Test Method	Specification Range
<b>Physical</b>		
Drop Point, °C	IP 371	Min. 90
Drop Point, °C	IEC 81151 ASTM - D 566	Min. 90
Cone Penetration @ 25°C, 0.1 MM	DIN 51580	55-80
Kinematic Viscosity @ 100°C, C.st	ASTM - 0445	28 (Typical)
Kinematic Viscosity @ 120°C, C.st	ASTM - 0445	15 (Typical)
Flash Point, °C	ASTM - 092	Min 220
Separation of oil	IEC 811-5-1	Passes
Low Temperature Brittleness	IEC 811-5-1	Passes
<b>Chemical</b>		
Total acid number, mgkoh	IEC 811-5-1	Max 0.06
Absence of corrosive components	IEC 811-5-1	Passes
<b>Electrical</b>		
Volume resistivity at 100°C, Ω cm	IEC 811-5-1 ASTM-D 1159	min 1 x 10 <sup>12</sup>
Volume resistivity at 23°C, Ω cm	IEC 811-5-1 ASTM-D 257	min 1 x 10 <sup>16</sup>
Relative permittivity at 23°C	IEC 811-5-1 ASTM-D 257	max 2.3



## Technical Data

### Cable Flooding Compound SP-9

This is used in Jelly Filled Telecommunication Cables to prevent water seepage through polyal and core wrap. This also acts as an absorber for external shocks.

This compound is compatible with normal sheathing materials and polyal. Recommended application temperature is 140° which may be altered to suit individual requirements.

Parameter	Test Method	Typical Value
Drop Point, °C	ASTM D 566	100°C
Viscosity	Rotoviscometry	120 cp
Stability Test (65°C/5 days)	ITS Specs S/WT-143B	Passes
Volume Resistivity @100°C	ASTM D 1169 (b)	1 x 10 <sup>13</sup> Ω cm
Permittivity at Audio frequency @20°C	ASTM D 924	2.2
Slump Test (70°C/24 hours)	ITD Specs S/WT-143B	Passes
Absorption in MDPE (70°C/14 days)	ITS Specs S/WT-143B	6%

Packing : 165/170 Kgs. in Mild Steel Open Top Barrels.



## Technical Data

### Cable Flooding Compound SP-16

Cable Flooding Compound SP-16 is a synthetic product ideally suited for flooding of PIJF Copper Telecom Cables.

Parameter	Test Method	Typical Value
Colour	ASTM D-1500	<1.5
Drop Melting Point, °C	ASTM D-127	Min. 94
Cone Penetration at 25°C, dmm	ASTM D-937	55 (Typical)
Flash Point °C	ASTM D-92	200 min
Volume Resistivity @100°C 500 V D.C. Ω cm	ASTM D-1169 (B)	> 10 <sup>13</sup>
Relative Permittivity at 23°C	ASTM D-924	2.22 max.

Packing : 170 Kgs. in M. S. Drums.



## Technical Data

### Cable Filling Compound: BJ 20E/BJ 20E-M

Grade BJ 20E/BJ 20E-M is ideally suited for cable which has to operate at higher ambient temperatures. A properly filled cable with this compound should be satisfactory for drip test even at elevated temperature for special defence department requirements.

Parameter	Test Method	Typical Value
Drop Point	ASTM D 566	86°C
Flash Point	ASTM D 92	200°C
Cone Penetration at 25°C	ASTM D 937	30 to 50 d mm
Volume Resistivity at Audio Frequency @ 20°C	ASTM D 1169 (b)	1 x 10 <sup>10</sup> Ω cm (min)
Permittivity at Audio Frequency @ 20°C	ASTM D 924	2.1
Stability test (65°C/5 days)	S/WT-143B ITD Spec	Passes
Slump test (70°C/24 hours)	--	Passes
Absorption in MDPE (70°C/14 days)	--	8%

Savita's Cable filling compound is normally applied into the cable by special techniques including pressure pumping under carefully controlled temperature so that no voids are left between the insulated telephone conductor pairs. It is also fully compatible with low and medium density polyethylene. The colour of compound shall not obscure the identification of the insulation of conductors. It is readily removed from the insulated conductor by wiping. BJ 20E / BJ 20E-M does not have any unpleasant odour and is free of any toxicity & dermatitic hazard.

Packing: 165 Kgs. Mild Steel Open Top Barrels



## Technical Data

### Cable Flooding Compound: WB-5

Cable Flooding Compound WB-5 has been designed to block entry of water between Polyal-Wrap & Polyester-Tape region of the Cable. This compound blocks the entry of water much more effectively than conventional Flooding compounds.

This is a Thixotropic soft compound and non-melting type. It requires special technique of filling in cable and can be easily filled at ambient temperature using small pressure. Being non-melting type it can withstand higher operating field temperatures. Retention of its soft texture at lower temperatures (sub-zero) enables it to keep cable from hardening during winter season.

Relevant characteristics of WB-5 are given in the table given below.

Parameter	Test Method	Typical Value
Colour		Off White
Melting Point	ASTM - D-127	>200°C
Volume Resistivity		
$\Omega$ 4cm (27°C)	ASTM - D-1169	>10 <sup>11</sup>
Stability (65°C)	--	Passes
Water Encapsulation	--	<1 Min.
Density (30°C)	--	0.9
Cone Penetration at 25°C	ASTM - D-217	>300