

### PVC Filler

#### **1: DESCRIPTION**

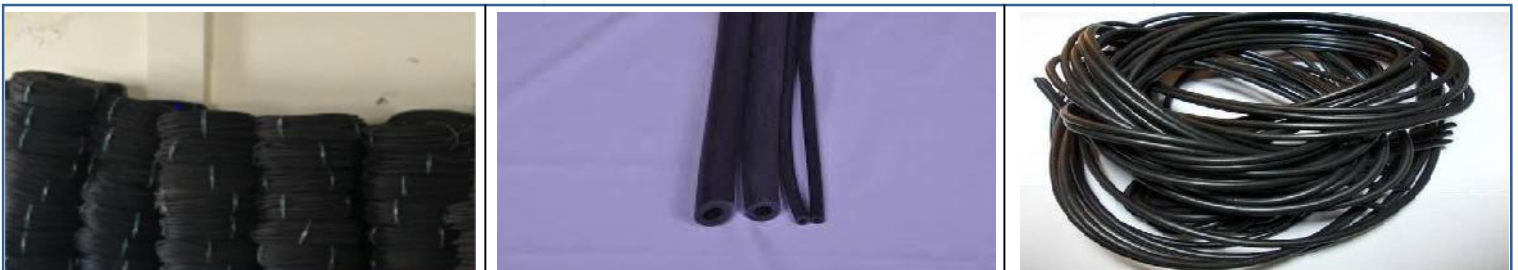
This Datasheet is specifies the requirement of PVC Filler used in Power cable, Instrumentation cable, Control cables etc.

The PVC Fillers are play an important role during twisting of cores in cable, PVC Fillers are used to fill the gaps between the cores. Oorja PVC filler is manufactured using latest and precise technology. Oorja manufacturing technology allows higher heat resistant product which have no deleterious effect on any other component of the cable.

#### **2: MATERIAL**

The material of PVC filler will be non-hygroscopic and solid or hollow in nature as per the requirement. The dimensions of material will be stable with No joints in filler in the same coil. Each coil will have uniform diameter throughout the length. Below are the specified criteria for PVC filler.

- Surface will be smooth
- Ovality will not more than 15 %. Ovality in diameter =  $(D_{\max} - D_{\min} / D_{\max}) \times 100$
- Tolerance on diameter is  $\pm 2.5$  %.
- The Filler shall be wrapped round its own diameter to form a close helix of 6 turns and unwrapped, Cracks should not be appearing.



#### **3: SAMPLING & CRITERIA FOR ACCEPTANCE**

One sample per lot/size will be drawn for checking the conformity of above requirements. If it fails to meet the requirements, 10-10 sample will be drawn. If any of them fails to meet the requirements, the whole lot will be rejected.

#### **4: DELIVERY FORM**

The fillers will be solidly & uniformly wound on 800 mm bobbin or in form of coils as per customer requirement.

#### **5: PACKING**

Each coil or bobbin will be containing a tag marked with Oorja trademark, diameter of filler, weight, etc.

OOMIPL Group Company

Office:

Oorja on Move Infra Pvt Ltd  
1067 Tower B-1, Spaze IT Park  
Sohna Road, Gurgaon India.  
122002

Works:

298A Daulatabad Industrial  
Area Gurgaon India. 122006

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#### 7: WEIGHTS

The filler maximum weights will be maintaining in kg/km as per below table.

Cable Construction	PVC Filler Sizes (mm)	Max. Weight (kg/km)
3CX185X11 KV	4.0	21.6
	12.0	194.6
	6.0	48.6
3CX185X33 KV	5.7	43.9
	17.2	399.7
	8.6	99.9
3CX240X11 KV	4.6	28.6
	13.7	253.6
	6.9	64.3
3CX240X33 KV	6.2	51.9
	18.3	452.5
	9.6	124.5
3CX300X11 KV	4.8	31.1
	14.3	276.3
	7.2	70.0
3CX300X33 KV	6.4	55.3
	19.3	503.3
	9.7	127.1
3CX400X11 KV	5.3	38.0
	15.8	337.3
	7.9	84.3
3CX400X33 KV	6.8	62.5
	20.5	567.8
	10.2	140.6

- Maximum weight will be-based on  $d^2/4 \times \text{Density}$  Where  $d$  =Nominal diameter of filler as per PO.
- Maximum Density = 1.72gm/cc

Above filler sizes are indicative, Can be customized as per customer requirement Indicated Filler Weight is maximum not to exceed the limit as given in below table.

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