

## RAW MATERIAL SPECIFICATIONS FOR BLACK PVC TAPE

### 1. Scope

This specification covers the requirements of black PVC tape to be used in bind of power cable.

### 2. Quality requirement

The tape shall be uniform width and thickness, smooth surface free from irregular edges, winded with uniform tension and excellent elastic to bind core.

### 3. Material

PVC tape manufactured from black PVC type YM3

It shall meet the requirement as specified in table given below:

No.	Parameter	Test method	Requirement
1	Appearance	Visual	Free from apparent defects like dirt, irregular edge cutting, pinholes or joints and winded with uniform tension
2	Thickness	Micrometer	0.50 ± 0.05 mm
3	Width	Meter	40 ± 1 mm
4	Elongation	IEC 811-1-1	150 %
5	Tensile strength	IEC 811-1-1	12.5 N/mm <sup>2</sup>
6	Roll inner diam.	Meter	82 mm
7	Roll outer diam	Meter	500 mm

### 4. Packing

The PVC tape shall be in rolls of continuous length wound on the specified paper pipe and packed in cardboard boxes with 1.5-2 tons and to be put on wooden pallet.

The boxes shall be suitable to be protected from contamination & damages during transportation and storage Each packing to have a tag giving:

- Width of the tape.
- Net weight of the coils.
- Serial number of the packing.

### 5. Test certificate

The supplier shall submit test report for each lot / batch of material

### 6. Criteria of acceptance/ rejection

The material shall be subjected to inspection and the test shall be carried out for acceptance/ rejection on part or whole lot.

### 7. Sample

Each tenderer should provide one roll as a sample of material to reach us before closing date for making tests. Unless his material is already successfully tested.

The results of the testing should conform with the technical specifications of PVC granules YM3 type (attached the technical specifications of PVC granules YM3 type)

The samples shall be the basis for accepting or rejecting the offer.