

**SPECIFICATION FOR LOW TEMPRATURE PVC COMPOUND
(LT-42)**

- 1. NOMENCLATURE : PVC Compound Natural (Low Temp. upto - 55° C)
- 2. USE : To be used for Sheathing of Cable Carrier Quad
- 3. RELEVANT SPECN. : CQAL/593 and BS-8746C.
- 4. PHYSICAL PROPERTIES :

- a) Specific Gravity : 1.23 ± 0.03
- b) Tensile strength : Not less than 13.72 N/mm Sq.
- c) Elongation : Not less than 300%
- d) HEAT AGING TEST AT 80° ± 1°C for 14 days at
 - (i) Variation in T.S : Not less than 90% of values before aging.
 - (ii) Variation in Elongation : Not less than 90% of values before aging.
- e) Cold Bend Test at - 40°C : There shall be no sign. Of crack or break
 - ±1°C on completed cable
 - Mandrel of diameter 25.40mm
 - (duration 24 hours)
- f) Cold Bend Test at - 55°C : There shall be no sign of crack or break
 - ±2°C on completed cable
 - With a test mandrel of diameter
 - 50.80mm ± 0.30mm
 - (duration 24 hours)

Above referred Cold Bend tests at (e) & (f) will be carried out before ageing and as well as after ageing as given in (g)

- g) Ageing to be done in a air : There shall be no sign of crack
 - oven at 80°C ± 1°C
 - (for 14 days)

5.. PACKING: Material should be free from all contaminations. The material shall be packed in heavy duty polyethylene bags each containing 25 Kg of material.

6. MARKING : Each bag of material hall be marked with the following information:

- a) Manufacturer's Name
- b) Specification or Grade No of the material.
- c) Batch No . Batch number to be marked on sides of bags also
- d) Month and year of manufacturer.
- e) Net weight.

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Issue No : 01	Revision No 0.0	Issued by : Standard Cell
Dated: 16.05.2006	Dated :	Vetted By : JT.GM/Q

VETTED

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