

TECHNICAL SPECIFICATION FOR POLY-AL TAPE

1. Scope

This specification covers the requirement of Ploy-Al tape used as moisture barrier tape in jelly filled telephone cable

2. Quality requirement

The tape shall be of smooth surface and be free from wrinkles and other defects.

The Aluminum shall be Polyethylene or copolymer backed on **both sides**, having uniform thickness, smooth edges through out the length and there shall be no cracks.

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

Se. No.	Parameter	Test method	Requirement
1	Appearance	Visual	Free from dirt, irregular edges and winded with uniform tension
2	Aluminum thickness	Micrometer	0.2 ± 0.01 mm
3	Overall thickness	Micrometer	0.3 ± 0.01 mm
4	Tensile strength in longitudinal direction	ASTM E8	70 – 100 N / mm ²
5	Elongation @ break	ASTM E8	18 - 30 %
6	AL Purity		99 % min.

3. Packing and quantity:

Width of tape / mm	35	40	100	110	120	130	140	150
Inner dia. of roll / mm	150							
max.Outer dia.of roll /mm	600				950			

The Ploy- Al tape shall be in rolls of continuous length wound on paper or plastic gaskets.

Each roll shall be wrapped if necessary with suitable tape to avoid blurring of edges

Packing shall be suitable for sea shipment in containers in wooden boxes.

Each packing to have a metal tag giving:

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

4. Test certificate

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

5. Criteria of acceptance/ rejection

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

6. Sample

One roll of Ploy-Al tape to reach company before closing date by express delivery for making all tests.

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