

RAW MATERIAL SPECIFICATIONS FOR HOT MELT ADHESIVE BASED ON THERMOPLASTIC CO-POLYMERS

1- SCOPE

This specification covers the hot melt adhesive used in making jelly filled telephone cables. and general assembly applications in cable industry especially for bonding and coating aluminum foils in polyethylene , polypropylene and polyvinyl-chloride multi layer cable constructions for Poly AL sealing and as splice sleeve closure

2- QUALITY REQUIREMENT

The hot melt adhesive shall be homogeneous, free from dirt, metallic particles or other foreign bodies , non-toxic, not cause dermal hazards and free from any unpleasant odour.

3- MATERIAL

The material supplied should have excellent water resistant properties and be fully compatible with polythene. It should also meet the following requirements:

Colour :	light yellowish		
Softening point:	105 ± 7 °C		ASTM E 28 (in glycerin)
Melting viscosity:	160°C	5000 ± 1200	mPa.s
	170°C	3500 ± 700	mPa.s
	180° C	3000 ± 550	mPa.s
	190° C	2100 ± 450	mPa.s
	200° C	1700 ± 400	mPa.s
Temperature creep resistance:	65 ± 5 °C		

Application temperature : 180 - 160 °C

4- PACKING

The material shall be properly packed in moisture proof bags or in removable head drum, in a manner that avoids problem in transportation & storage.

The material shall be marked for proper identification.

And each bag weight 25 kg Or drum with Volumetric capacity 205 liters nominal

5- TEST CERTIFICATE

The supplier shall submit test report 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

About 1 kg of hot melt adhesive to reach company before closing date by express delivery for making tests.

Sample shall be the basis for accepting or rejecting the offer.