 BHOPAL	INSULATION SKETCH	IN.SK. 30350
	INSULATION SYSTEMS ENGINEERING	Rev. No.: 00
	FOAMED POLYPROPYLENE FILM TAPE	Rev. Dt.: 04/04/2017
		Sheet 1 of 2 sheets

1.0 GENERAL :

This specification governs the quality requirements of foamed polypropylene film tape. (foamed monoaxial stretched film of closed-cell structure)

APPLICATION:

Used as release film during consolidation/pressing of stator coils and bars of Motors & Hydro generators. The consolidation/pressing temperature & time are 160°C for 2 hours approx.

2.0 COMPLIANCE WITH NATIONAL STANDARDS:

There is no national standard covering this type of material.

3.0 PROPERTIES:

3.1 Sizes:

Thickness: 0.13 mm

Width: 25 mm

Length: 460 MR (approx.) (however any other lower length is also acceptable) or as stated on the order.

3.2 Color:

Natural

3.3 Density:

0.52 g/cm³ (approx.)

3.4 Weight per unit area:

68 g/m² (approx.)

3.5 Tensile Strength (Longitudinal):

110 N/mm² (min)

3.6 Elongation at break (Longitudinal):


25 % (max)

3.7 Hot air shrinkage (Longitudinal):

≤6 % (100°C/10 min)

Distribution:	Date of Rev. 00: 04/04/2017	Name	Signature
CIM - Turbo Coil (Shop/Planning) QCI - (QC-CIM) HGE ISE TSD	Prepared by	Gautam Kumar	
	Checked by	Nidhi Gupta/ Bishwanath Oraon	
	Approved by	Anirudha Tijare	
	Issued by	Gautam Kumar	

ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED

 BHOPAL	INSULATION SKETCH	IN.SK. 30350
	INSULATION SYSTEMS ENGINEERING	Rev. No.: 00
	FOAMED POLYPROPYLENE FILM TAPE	Rev. Dt.: 04/04/2017
		Sheet 1 of 2 sheets
<p>3.8 Melting range : 160-170 °C (By DSC)</p> <p>3.9 Maximum processing temperature : 225 °C</p> <p>3.10 Joints : Max. Number of joints: 02 per roll. The joint to made using brown PET adhesive tape on both sides. Layer on layer thickness: 50µm and Width: 50mm</p> <p>4.0 PACKING AND MARKING: CORE I/D 76 mm, CORE O/D 290 mm. Material to be supplied in rolls of 460MR (approx.) / or as specified in PO supplied in roll wound on a suitable supporting tube, interleaved when necessary and shall be adequately protected by outer wrapping to prevent damage during transit. Each roll shall be packed in thermocole or any card board boxes.</p> <p>Each package shall be legibly marked with the following information: In. Sk. 30350: FOAMED POLYPROPYLENE TAPE BHEL order No. Manufacturer's/supplier's Name Trade name/mark, if any Batch/Lot No. Thickness, width and length Quantity supplied Date of manufacture and expiry</p> <p>5.0 TEST CERTIFICATES: Unless otherwise stated, three copies of test certificates shall be supplied along with each consignment giving following information. Each package shall be legibly marked with the following information: In. Sk. 30350: FOAMED POLYPROPYLENE TAPE BHEL order No. Manufacturer's/supplier's Name Trade name/mark, if any Batch/Lot No. Thickness, width and length Quantity supplied Date of manufacture and expiry</p> <p>In addition, the supplier shall ensure to send one copy of test certificate along with the dispatch documents to facilitate quick clearance of the material.</p>		
ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED		