

TECHNICAL DATASHEET

Vid flexitherm(Semicured)

Epoxy Coated nomex aramid
Ene No 3.75/6155

Description

Vidyut ene nO.3.75and 6.155 is a shelf life product, impregnateon both side of class h nomex aramid paper 410 with specially formulated epoxy resin and cured at B stage. The surface is smooth and is free from voids, mud crack, pinholes and flow mark It is used upto class F (155 C).

Features

- Evenly coated
- Excellent Release
- Good Shear Strength
- B Stage Cured
- Thermal Class F

Application

Vidyut Ene no. 3.75 and 6.155 is applied in rotor field coil of synchronous machine as interturn insulation.

Properties

Properties	Unit	Ene 3.75	Ene 6.155
Base Thickness	mm	0.05+/-0.02	0.13+/.002
Final Thickness	mm	0.08+/-0.03	0.15+/-0.02
Total Weight	gsm	75+/-15	155+/-15
Resin Content	gsm	20+/-5	36+/-6
Volatile Content	%	2-3Max	2-3 Max
Tensile Strength	N/cm	45	100
Tear Strength	Kg/cm	Md-25 Cd-15	Md 63;Cd 41
Shear Strength	Kg/cmsq	40	40
Electrical Strength	KV/mm	15	18
Thermal Class		155 (F)	155

Test Method :

IEC - 60626

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Curing Shedule/Condition

Ecnfc No 8.140 should be cured after it is applied on the conductors in a hot press At 130 Degree C or 150 Degree C with pressing time for 15min to 30 minutes. Before opening the press it is recommended to coll down below 80 Degree C. This will give a better bonding with copper conductor.

Availability

Roll Width	900mm +/-0.5mm	Ene nO.3.75 and 6.155 is supplied with interleaved
Roll Length	100 mtrs	
Cardboard Spool ID	76 mm+/- 1 mm	

Roll Width: From 15mm to 880mm +/-1mm

Storage

Vidyut Ene no. 3.75 and 6.155 should be kept In dust free space under cool condition

At 20 degree C : 6 months

At 5 Degree C : 12 months

DISCLAIMER

All information, recommendations and test data herein are offered only as a guide. We believe them to be accurate but do not guarantee results, freedom from patent infringement, suitability of this product for any resultant application