

 An ISO 9001:2015 Company	INSULATION SYSTEMS ENGINEERING	IN. SK. 46119
		Rev. No.: 00
	<u>CYCLOALIPHATIC EPOXY RESIN CIT-179</u>	Rev. Dt.: 16/05/2020
		Sht. 1 of 2 shts.

1.0 GENERAL :

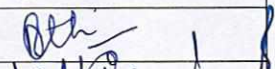
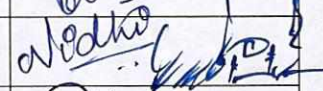
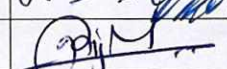
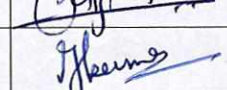
This specification details about the very low viscous cycloaliphatic epoxy resin. The material shall have low viscosity, good UV resistance, high deflection temperature and excellent dielectric properties.

2.0 APPLICATION :

The material is used in making various resins like phenoxy resin, epoxy bonding varnish etc for high voltage applications. These products help in curing of Bisphenol-A epoxy resin & anhydride hardener system during vacuum pressure impregnation process.

3.0 PROPERTIES :

S. No.	Description	Required value
3.1	Appearance	Clear low viscous liquid
3.2	Odour	Slight
3.3	Colour	≤ 100, colourless to pale yellow
3.4	Boiling point	> 170°C
3.5	Flash point (By Pensky Martens closed cup)	> 150°C
3.6	Density at 25°C	1.15 - 1.20 g/cm ³
3.7	Epoxy equivalent	130 - 143 g/Eq
3.8	Viscosity at 25°C	250 – 450 mPas

Distribution:	Date of Rev. 00 : 16/05/2020	Name	Signature
CIM MDX QFD CIT TSD ISE	Prepared by	Abha Otti	
	Checked by	Nidhi Gupta/ Bishwanath Oraon	
	Approved by	Anirudha Tijare	
	Issued by	Gautam Kumar	
BHEL BHOPAL			

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4.0 STORAGE

Store in a cool and dry place, preferably in the sealed original container at room temperature. The material should not be stored exposed to direct sunlight.

5.0 SHELF LIFE

The material is expected to have reasonably long shelf life when stored in original sealed packing under dry & covered conditions.

6.0 REJECTION

BHEL reserves the right to reject the entire lot of the material if found not conforming to the stipulations of this specification. Parts of the lot not subjected to testing but found not to meet the specification/ found to be defective/ having hidden defects or having shop application problems can be rejected later on also.

7.0 TEST CERTIFICATES

Unless otherwise specified, three copies of test certificates and MSDS shall be supplied along with each consignment.

In addition, the supplier shall ensure to enclose one copy of the test certificate along with their dispatch documents to facilitate quick clearance of the material.

The test certificate shall bear the following information.
IN.SK.46119 REV.00: CYCLOALIPHATIC EPOXY RESIN CIT-179
BHEL PO No.
Batch/ Lot No.
Test values obtained & certificate for compliance for Cl. 3

8.0 PACKING & MARKING

The consignment shall be suitably packed to protect from contamination and damage in transit and storage for long periods.

Each consignment/ individual container shall be legibly marked with the following information:
IN.SK.46119 REV.00: CYCLOALIPHATIC EPOXY RESIN CIT-179
BHEL PO. No.
Batch/Lot No.
Manufacturer's and/ or Supplier's Name & Grade
Quantity
Date of Manufacture & Expiry
Test Certificate Reference

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