

1060503/2025/HEP-CIM32560

126/1

10W702-669	
SPEC. NO.	TITLE
A0269	SPECIFICATION OF GLASS MCA SHEET (GU-FZ)
NOTE INTRODUCED IN SHEET-2 AND SPECIM. NO. ADDED AGAINST SL. NO. 5 OF TABLE 2, REF. L. NO. EL/TM/2013, DT. 01.12.24	
TM	Para-4 modified. Ref. EL/TM/2013 dt. 24.12.24
SL-1	27-5-2K.
SL-1	13.6.95
SHELF LIFE INDICATED IN PARA 4	
10	INITIAL DATE
REVISION	
REV.	

Signature Not Verified

Digitally signed by Nihar Banjan Mondal
Date: 2022.04.11 17:00:02+05'30'

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File No: HEP-CIM32560X(32)
Location: New Delhi

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SPBC. NO. AC269 Sheet 2 126/2

TITLE Specification of Glass Mica Sheet (GU-72)

1. Scope

This specification describes Glass Mica Sheet (GU-72) (hereafter abbreviated as mica) to be used for insulation of electrical machines. Mica is reconstituted type and binder is thermal resistance binder.

2. Classification, dimension and tolerance

Classification, dimension and tolerance of this mica are given in Table 1.

Table 1

Symbol	Nominal thickness (mm)	Nominal width (mm)	Nominal length (mm)	Tolerance		
				Thickness of each point (mm)	Average thickness (mm)	Width Length (mm)
GU-72 0.13 x 455 x 910	0.13	455	910	±0.04	±0.07	More than nominal width More than nominal length

Note : a : Width b : Length

4. Shelf life 6 months after mfg. date at (20±5°C, 65±20%RH)

Quality

Quality of this mica is given in Table 2.

Table 2 (Testing method : JIS C116)

No.	Item	Unit	Quality	Remarks
1	Mica content	%	≥40	
2	Tensile strength	N/15mm	≥10	
3	Breakdown voltage	Minimum	≥2.0 kV	
4	Winding property	-	Good	
	Accelerator content (p-200 To Spec No. A0274)	g/m ²	2.5	

Hitachi Ltd. Tokyo Japan

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MATERIAL SPEC.