

314558/2024/HEP-CIM32560

LOW 702-669
SPEC. NO.

AO 269

SPECIFICATION OF GLASS MICA SHEET (GU-FZ)

Signature Not
Verified

Digitally signed by
Nihar Ranjan Nondal

Date: 2022.04.11
17:00:02 IST

Reason: IREPS-CRIS
Location: New Delhi

'NOTE' INTRODUCED IN SHEET-2 AND
SPECN.NO. ADDED AGAINST SL.NO.5 OF
TABLE 2, REF.L.NO.EL/TM/2013.DT.01¹²/₂₄

Para-4 modified.Ref.EL/TM/2013 dt.26⁵/_{2K}

SHELF LIFE INDICATED IN PARA 4

[Signature]

15.01.2005

[Signature]

27-5-2K.

[Signature]

13.6.95

| AUTHORITY | DESCRIPTION | INITIAL | DATE |
|-----------|-------------|---------|------|
|-----------|-------------|---------|------|

MATERIAL SPEC.

LOW 702-669
SH. NO. SH. 1 OF 2

C
B
A
REV.

SPEC. NO.

TITLE

314558/2024/HEP-CIM32560

A0269

Specification of Glass Mica Sheet (GU-PZ)

1. Scope

This specification describes Glass Mica Sheet (GU-PZ) (hereafter abbreviated as mica) to be used for insulation of electrical machines. Mica is reconstituted type and binder is thermal endurance 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 (mm) | Length (mm) |
| GU-PZ -0.13 × a - b | 0.13 | 455 | 910 | ±0.04 | ±0.02 | More than nominal width | More than nominal length |

Note : a : Width b : Length

3. Quality

Quality of this mica is given in Table 2.

Table 2

(Testing method : JIS G4116)

| No. | Item | Unit | Quality | | Remarks |
|-----|---|------------------|----------------|--|---------|
| | | | GU-PZ -0.13 | | |
| 1 | Mica content | % | ≥40 | | |
| 2 | Tensile strength | N/15mm | ≥10 | | |
| 3 | Breakdown voltage | | | | |
| | Minimum | kV | ≥2.0 | | |
| 4 | Winding property | - | Good | | |
| 5 | Accelerator content (P-200 TO SPECN NO. A0271) | g/m ² | 2.5 | | |

NOTE: SPEC. NO. A0271 FOR ACCELERATOR/CATALYST (ALSO SHALL BE THE PART OF THIS SPEC.)

DWN. *M. Mochizuki* 12.13
CHKD. *X. Mochizuki*
APPD. *J. Kana*

MATERIAL
SPEC.

Hitachi, Ltd.
Tokyo, Japan

HITACHI WORKS DWG No.

LOW 702-114

SH. No. SH. 22 OF