

MTR.	-
RE. DWG.	-
CHKD.	-
REV'D	SS-1
DATE	27.5.2K
REVISIONS	1- Para 4 modified. Ref: 1/NO. E1/TM/2013 dt 26.5.2K
SYMBOL	1- 2-

SPEC. NO. AO 268

TITLE Page - 119 & 120

A0268

Specification of Flexible Mica Sheet (MP60-FCZ)

1. Scope

This specification describes Flexible Mica Sheet (MP60-FCZ) (hereafter abbreviated as mica) to be used for insulation of electrical machines. Mica is clear muscovite mica splittings 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)
MP60-FCZ -0.25 x [a] - [b]	0.25	910	910	+0.20 -0.10	+0.05 -0.04	+5 0	+5 0
MP60-FCZ -0.8 x [a] - [b]	0.8	910	910	+0.30 -0.25	+0.10 -0.07	+5 0	+5 0

Note : a : Width b : Length

3. Quality

Quality of this mica is given in Table 2.

Signature Not Verified
Digitally signed by Nihar Ranjan Nondal
Date: 2022.04.13 11:49:35 +05'30'
Reason: IRRPS-CRIS
Location: New Delhi

REGD 12.15

DWN. J. Narayan 17.12.13

CHKD. K. Mishima

APPD. J. Kanu

MATERIAL SPEC.

Hitachi, Ltd. Tokyo Japan

HITACHI WORKS DWG. No. 10W 702-668

SH. No. SH. 1 OF 2

Table 2

(Testing method : JIS C2116)

No.	Item		Unit	Quality		Remarks
				MP60-FCZ -0.25	MP60-FCZ -0.8	
1	Weight		g/m ²	550±70 ② 370±40	1380±160 ② 1210±90	
2	Mica content		%	87±7	87±7	
3	Tensile strength		N/15mm	≥49	≥176	
4	Breakdown voltage	Average	kV	≥6.5	≥16	
		Minimum	kV	≥3.5	≥9	
5	Winding property		-	Good	Good	
6	Accelerator content, (P-200)		g/m ²	2.5	2.5	

ALT 1

4. Shelf life

Shelf life of this mica is ¹⁰~~6~~ months after manufacturing-date in normal condition (20±15°C, 65±20% RH).

NOTE:-

ALT 2

WEIGHT TO BE CHECKED BY WEIGHING THE FULL SHEET OF DIMENSIONS
INSTEAD OF SMALLER SAMPLE.

REGD 12.15	DWN.	<i>[Signature]</i> 19.12.13	MATERIAL SPEC.	Hitachi, Ltd. Tokyo Japan	HITACHI WORKS DWG. No.	
	CHKD.	<i>[Signature]</i>			10W 702-668	
	APPD.	<i>[Signature]</i>			SH. No.	SH. 2E OF 2