

	RM-SPECIFICATION		DOCUMENT STATUS
	Material : Mica Item Code: Purpose : Insulation		DRAFT
MATERIAL CODE:	I12	DOCUMENT NO.	17

S.no	Description	UOM	Specification
1.	Physical State / Color	-	Solid/Brown
2.	Assay Content	%	XXX
3.	Grade	-	XXX
4.	Volume Resistivity	Ohm/cm	10 ¹⁴
5.	Electric Strength	V/m	2 KV for 10 secs
6.	Punctures and Through inclusion of foreign minerals	-	Impermissible
7.	Dielectric constant	-	6%
8.	Dielectric strength	V/m	2 KV for 10 sec sat random on mica sheet
9.	Width	mm	20±1 or 25±1 mm
10.	Thickness	mm	0.90 – 1.10
11.	Specific heat	J/ (kg K)	880
12.	Thermal Conductivity	W/m-K	0.3
13.	Supplier	-	Indo union mica
14.	Melting point	°C	1800
15.	MSDS no.	-	XXX
16.	CAS no.	-	12001-26-2
17.	Acceptance Criteria		
a.	Visual Acceptance	-	Brown
b.	Assay Content	%	XXX
c.	Dimensions	-	Drawing no:
d.	Thermal Conductivity	W/m-K	0.3
18.	Properties to be tested	Test Method	Test Agency
a.	Dimensions	Vernier & others	RES
b.	Thermal Conductivity	COC	NABL, IIT-HYD, CMET
c.	Moisture	Moisture analyser	RES

PREPARED BY:		REVIEWED & APPROVED BY:
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RENEWABLE ENERGY SYSTEMS LIMITED