

	RM-SPECIFICATION Material : Silicon Bonded Mica Item Code: Purpose : Insulation		DOCUMENT STATUS
			DRAFT
MATERIAL CODE:	I13	SPEC NO.	PBD/RM/LI/11

Sno	Description	UOM	Specification
1.	Physical State / Color	-	Solid/Brown
2.	Assay Content	%	NA
3.	Grade	-	NA
4.	Mol. Wt.	gm/mole	NA
5.	Element	%	Percentage
a.	Mica content	%	>90
b.	Bonded Content	%	<10
6.	Width	mm	20±1 or 25±1 mm
7.	Thickness	mm	0.90 – 1.10
8.	Thermal Conductivity	W/m-K	0.3
9.	Heat Resistance	°C	500
10.	Melting point	°C	1250 – 1800
11.	Supplier	-	Indo union Mica
12.	MSDS no.	-	XXX
13.	CAS no.	-	XXX
14.	Acceptance Criteria		
a.	Visual Acceptance	-	Solid Brown color
b.	Assay Content	%	>90
c.	Dimensions	-	Drawing no:
d.	Thermal Conductivity	W/m-K	0.3 ± 0.1
15.	Properties	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
