

	RM-SPECIFICATION		DOCUMENT STATUS
	Material : (Ceramic fiber paper) Item Code: Purpose : Insulator		DRAFT
MATERIAL CODE:	I04	SPEC NO.	
Sno	Description	UOM	Specification
1.	Physical State / Color	-	Fibrous paper / Creamy White
2.	Grade	-	S
3.	Mol. Wt.	g/mol	-
4.	Element	%	Percentage
a)	Al ₂ O ₃	%	42 - 46
b)	SiO ₂	%	54 - 56
c)	Fe ₂ O ₃ + TiO ₂	%	< 0.5
d)	CaO	%	-
e)	MgO	%	-
5.	Loss on Ignition	% wt	< 10
6.	Density	kg/m ³	≤ 210
7.	Tensile Strength	kPa	≥ 300
8.	Thickness	Mm	1 ± 0.01
9.	Max use temperature	°C	1260
10.	Thermal Conductivity	W/mK	0.17 – 0.22
11.	Supplier	-	Uni Frax
12.	MSDS no.	-	XXX
13.	CAS no.	-	XXX
14.	Acceptance Criteria		
a.	Visual Acceptance	-	Creamy White Paper
b.	Dimensions	-	As per drawing No.
c.	Thickness (Avg)	-	1 ± 0.01
15.	Properties to be tested	Test Method	Test Agency
a.	Thermal Conductivity	DSC/TGA	NABL, IIT-HYD, CMET
PREPARED BY:		REVIEWED & APPROVED BY:	
RENEWABLE ENERGY SYSTEMS LIMITED			