



# RM-SPECIFICATION

**Material : Ceramic fiber paper (Fiber Frax)**

**Item Code:**

**Purpose : Insulation**

**Date**

**10/02/2025**

**MATERIAL CODE:**

**I04**

**REV**


**00**

S/No	Description	UOM	Specification
1.	Physical State	-	Solid
2.	Grade	-	S (1260°C)
3.	<b>Element</b>	<b>%</b>	<b>Percentage</b>
a)	Al <sub>2</sub> O <sub>3</sub>	%	41 - 47
b)	SiO <sub>2</sub>	%	53 - 58
c)	Fe <sub>2</sub> O <sub>3</sub> + TiO <sub>2</sub>	%	< 0.5
4.	Loss on Ignition	wt. %	< 10
5.	Product Density	kg/m <sup>3</sup>	150 - 210
6.	Tensile Strength	kPa	>300
7.	Thickness	mm	1 (+0.4/-0.3)

PREPARED BY:

REVIEWED & APPROVED  
BY:


**RENEWABLE ENERGY SYSTEMS LIMITED**

	<b>RM-SPECIFICATION</b> <b>Material : Flexible Samica</b> <b>Item Code:</b> <b>Purpose : Insulation</b>	<b>DATE</b>	<b>10/2/2025</b>
		<b>MATERIAL CODE:</b>	<b>I06</b>
		<b>REV</b>	<b>00</b>

S/N	Description	UOM	Specification
1.	Physical State	-	Solid
2.	Glass content	g/m <sup>2</sup>	15 - 25
3.	Bond content	g/m <sup>2</sup>	28 - 40
4.	Mica Paper	g/m <sup>2</sup>	116 - 124
5.	Break Down Voltage	kV / layer	> 1.5
6.	Thickness	mm	0.10 – 0.14
7.	Square Weight	g/m <sup>2</sup>	154 - 186
8.	Tensile Strength	N/cm	> 130

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

	<b>RM-SPECIFICATION</b> <b>Material : Fibre glass cloth adhesive tape</b> <b>Item Code:</b> <b>Purpose : Heat Pellet</b>	<b>DATE</b>	<b>10/02/2025</b>
		<b>MATERIAL CODE:</b>	
		<b>REV</b>	<b>00</b>

Sno	Description	UOM	Specification
1.	Physical State / Color		Solid / Greyish white
2.	Adhesion to steel	g/cm	Min. 250
3.	Tensile strength	kg/cm	Min. 16
4.	Elongation at break	%	Min. 5
5.	Break down voltage	kV	Min. 3
6.	Temperature class	°C	155

PREPARED BY:		REVIEWED & APPROVED BY:
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