



Date: 04/02/24 Rev.: 01		Material Specification For Ceramic Fiber Paper (1260°C)		 IRAN ALLOY STEEL CO.													
ID code: 7011010015		Area: Tundish		Storage site: PU 46													
General properties																	
Basic Components: Alumina			Bonding System: Ceramic Bond														
Classification: Fiber Felt																	
<u>Chemical composition (wt. %) :</u> <table> <tr> <td>Al₂O₃</td> <td>45±4</td> </tr> <tr> <td>SiO₂</td> <td>55±4</td> </tr> <tr> <td>K₂O+Na₂O</td> <td>Max 0.5</td> </tr> <tr> <td>Fe₂O₃</td> <td>Max 1.0</td> </tr> </table>			Al ₂ O ₃	45±4	SiO ₂	55±4	K ₂ O+Na ₂ O	Max 0.5	Fe ₂ O ₃	Max 1.0	<u>Fig.</u> 						
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			Map No.:														
<u>Sieve analysis /Dimension:</u> 12000*610*5 mm																	
<u>Physical properties :</u> <table> <tr> <td>Bulk Density</td> <td>200±8</td> <td>Kg/m³</td> </tr> </table>						Bulk Density	200±8	Kg/m ³									
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<u>Mechanical/Thermal properties:</u> <table> <tr> <td>Permanent Linear Shrinkage</td> <td>Max 5.0</td> <td>% 24 hr at 1000 °C</td> </tr> <tr> <td>Thermal Conductivity</td> <td>0.20-0.30</td> <td>W/m.k at 1000 °C</td> </tr> <tr> <td>Tensile Sterngth</td> <td>Min 400</td> <td>KPa</td> </tr> <tr> <td>Max Service Point</td> <td>1050</td> <td>°C</td> </tr> </table>						Permanent Linear Shrinkage	Max 5.0	% 24 hr at 1000 °C	Thermal Conductivity	0.20-0.30	W/m.k at 1000 °C	Tensile Sterngth	Min 400	KPa	Max Service Point	1050	°C
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Tensile Sterngth	Min 400	KPa															
Max Service Point	1050	°C															
<u>Remark:</u> Keep in dry place																	
<u>Packing:</u> Roll																	
<u>Shelf life:</u> <input checked="" type="checkbox"/> 2 Year NA <input type="checkbox"/>																	
<u>Quality Check:</u> Certificate from supplier and laboratory test																	
Edited: Ehsan Zarezadeh		Checked: Mehdi Eslampour		Approved: Vahid Saffarzadeh													