


Date:04/11/30		<b>Material Specification for</b> <b>Ceramic Fiber Blankets (1430°C)</b>		 IRAN ALLOY STEEL CO.	
Rev.: 00					
ID code : 7011010009		Area : Refractory		Storage site : PU17	
General properties					
Basic Components: High Alumina			Bonding System:		
Classification: Type HA(1400)					
<b><u>Chemical composition (wt. %) :</u></b>  <div> <div>Al<sub>2</sub>O<sub>3</sub></div> <div>50-55</div> </div> <div> <div>SiO<sub>2</sub></div> <div>45-50</div> </div> <div> <div>ZrO<sub>2</sub></div> <div></div> </div> <div> <div>Fe<sub>2</sub>O<sub>3</sub></div> <div>Max 0.5</div> </div> <div> <div>K<sub>2</sub>O , Na<sub>2</sub>O</div> <div>Max 0.5</div> </div>			<b><u>Fig.</u></b>  		
			<b><u>Map no.:</u></b>  		
<b><u>Dimension:</u>    7200×610×25mm</b>  <b><u>Physical properties :</u></b> <div> <div>Density</div> <div>128</div> <div>kg/m<sup>3</sup></div> </div> <div> <div>Appearance Porosity</div> <div></div> <div>%</div> </div>					
<b><u>Mechanical/Thermal properties:</u></b> <div> <div>Linear Shrinkage</div> <div>Max 5</div> <div>%</div> </div> <div> <div>Cold Crushing Strength</div> <div></div> <div>kg/cm<sup>2</sup></div> </div> <div> <div>Refractoriness Under Load</div> <div></div> <div>° C</div> </div> <div> <div>Hot Modulus of Rupture</div> <div></div> <div>kg/cm<sup>2</sup></div> </div> <div> <div>Thermal Conductivity at 1000° C</div> <div>0.2-0.3</div> <div>W/m .° k</div> </div> <div> <div>Thermal Expansion</div> <div></div> <div>%</div> </div> <div> <div>Thermal Shock Resistance</div> <div></div> <div>cycle</div> </div> <div> <div>Max Service Point</div> <div>1100</div> <div>° C</div> </div> <div> <div><b>Fiber Diameter (μM)</b></div> <div><b>2-3</b></div> </div> <div> <div><b>Tensile Strength (kpa)</b></div> <div><b>35-45</b></div> </div>					
<b><u>Remark:</u></b> <b><u>Packing:</u> Nylon + Carton</b>  Shelf life: <input checked="" type="checkbox"/> 1 Year    NA <input type="checkbox"/> <b><u>Life time:</u> 12month</b> <b><u>Quality Check:</u> Certificate from Supplier</b> Certificate from supplier and laboratory test					
Edited: Ehsan Zarezadeh		Checked: Eslampour Mahdi		Approved: Saffarzadeh Vahid	