



Date: 04/03/12		Material Specification for Turbostop (Impact pad with wall)		 IRAN ALLOY STEEL CO.																						
Rev.: 00																										
ID code : 7004050020		Area : Tundish		Storage site : PU 46																						
General properties																										
Basic Components: Alumina-Bauxite			Bonding System: Chemical Bond																							
Classification: Precast																										
<u>Chemical composition (wt. %) :</u> <table border="0"> <tr> <td>Al₂O₃</td> <td>Min 80.0</td> </tr> <tr> <td>SiO₂</td> <td>Max 16.0</td> </tr> <tr> <td>TiO₂</td> <td>Max 2.5</td> </tr> <tr> <td>Fe₂O₃</td> <td>Max 2.0</td> </tr> <tr> <td>CaO</td> <td>1.0-2.0</td> </tr> </table>			Al ₂ O ₃	Min 80.0	SiO ₂	Max 16.0	TiO ₂	Max 2.5	Fe ₂ O ₃	Max 2.0	CaO	1.0-2.0	<u>Fig.</u> 													
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			<u>Map No.:</u> -																							
<u>Sieve analysis /Dimension:</u> - <u>Physical properties :</u> <table border="0"> <tr> <td>Pour Density</td> <td>Min 2.9</td> <td>g/cm³</td> </tr> <tr> <td>Appearance Porosity</td> <td>-</td> <td>%</td> </tr> </table> <u>Mechanical/Thermal properties:</u> <table border="0"> <tr> <td>Permanent Linear Change</td> <td>-</td> <td>%</td> </tr> <tr> <td>Cold Crushing Strength</td> <td>Min 400</td> <td>kg/cm² at 1000 °C</td> </tr> <tr> <td>Hot Modulus of Rupture</td> <td>-</td> <td>kg/cm² at 1000 °C</td> </tr> <tr> <td>Thermal Conductivity</td> <td>-</td> <td>W/m.k at 1000 °C</td> </tr> <tr> <td>Max Service Point</td> <td>1700</td> <td>°C</td> </tr> </table>						Pour Density	Min 2.9	g/cm ³	Appearance Porosity	-	%	Permanent Linear Change	-	%	Cold Crushing Strength	Min 400	kg/cm ² at 1000 °C	Hot Modulus of Rupture	-	kg/cm ² at 1000 °C	Thermal Conductivity	-	W/m.k at 1000 °C	Max Service Point	1700	°C
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<u>Remark:</u> - <u>Packing:</u> Pallet <u>Shelf life:</u> <input checked="" type="checkbox"/> 3 Year NA <input type="checkbox"/> <u>Quality Check:</u> Certificate from supplier and laboratory test																										
Edited: Ehsan Zarezadeh		Checked: Mehdi Eslampour		Approved: Vahid Saffarzadeh																						