
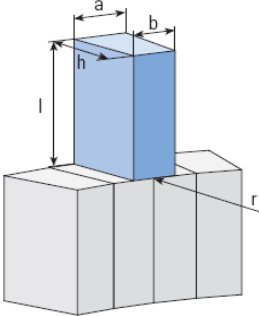


Date: 02/08/02		Material Specification for EAF Brick-35/2		 IRAN ALLOY STEEL CO.																															
Rev.: 00																																			
ID code:7002090054		Area: EAF Brick		Storage site:PU 46																															
General properties																																			
Basic Components:Magnesia-Carbon			Bonding System:Resin bonded																																
Classification: Fused Magnesia																																			
<b>Chemical composition (wt. %) :</b>  <table border="0"> <tr> <td>MgO</td> <td>Min 97.0</td> </tr> <tr> <td>CaO</td> <td>Max 2</td> </tr> <tr> <td>SiO<sub>2</sub></td> <td>Max 0.8</td> </tr> <tr> <td>Al<sub>2</sub>O<sub>3</sub></td> <td>Max 1.5</td> </tr> <tr> <td>Fe<sub>2</sub>O<sub>3</sub></td> <td>Min 1</td> </tr> <tr> <td>C</td> <td>Min 12</td> </tr> </table>			MgO	Min 97.0	CaO	Max 2	SiO <sub>2</sub>	Max 0.8	Al <sub>2</sub> O <sub>3</sub>	Max 1.5	Fe <sub>2</sub> O <sub>3</sub>	Min 1	C	Min 12	<b>Fig./Size</b>    <table border="0"> <tr> <td>a=151</td> <td>b=149</td> <td>h=350</td> <td>l=100</td> <td>r=0</td> </tr> </table>			a=151	b=149	h=350	l=100	r=0													
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<b>Sieve analysis /Dimension:-</b> <b>Physical properties : -</b> <table border="0"> <tr> <td>Bulk Density</td> <td>g/cm<sup>3</sup></td> <td>Min 3.0</td> </tr> <tr> <td>Appearance Porosity</td> <td>%</td> <td>Max 5</td> </tr> </table> <b>Mechanical/Thermal properties:</b> <table border="0"> <tr> <td>Permanent Linear Change</td> <td>%</td> <td>-</td> </tr> <tr> <td>Cold Crushing Strenght</td> <td>kg/cm<sup>2</sup></td> <td>Min 300</td> </tr> <tr> <td>Refractoriness Under Load</td> <td>°C</td> <td>-</td> </tr> <tr> <td>Hot Modulus of Rupture</td> <td>kg/cm<sup>2</sup></td> <td>-</td> </tr> <tr> <td>Thermal Conductivity</td> <td>W/m . k</td> <td>Max 11.0</td> </tr> <tr> <td>Thermal Expansion</td> <td>%</td> <td>-</td> </tr> <tr> <td>Thermal Shock Resistance</td> <td>cycle</td> <td>-</td> </tr> <tr> <td>Max Service Point</td> <td>° C</td> <td>1750</td> </tr> </table>						Bulk Density	g/cm <sup>3</sup>	Min 3.0	Appearance Porosity	%	Max 5	Permanent Linear Change	%	-	Cold Crushing Strenght	kg/cm <sup>2</sup>	Min 300	Refractoriness Under Load	°C	-	Hot Modulus of Rupture	kg/cm <sup>2</sup>	-	Thermal Conductivity	W/m . k	Max 11.0	Thermal Expansion	%	-	Thermal Shock Resistance	cycle	-	Max Service Point	° C	1750
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<b>Remark: -</b> <b>Packing: -</b>  Shelf life: <input checked="" type="checkbox"/> 2 Year      NA <input type="checkbox"/> <b>Life time: -</b> <b>Quality Check:</b> Certificate from supplier and laboratory test																																			
Edited: Ehsan Zarezadeh		Checked: Mehdi Eslampour		Approved: Vahid Saffarzadeh																															