


Date: 98/05/15	Material Specification for Permanent Layer Tundish		 IRAN ALLOY STEEL CO.
Rev.: 00			
ID code :N-065852.Y	Area : Tundish	Storage site : PU17	
General properties			
Basic Components:Tabular Alumina-Bauxite		Bonding System:Hydraulicand Ceramic	
Classification: Dense Refractory Concrete			
<u>Chemical composition (wt. %) :</u>		<u>Fig.</u>	
MgO Max 0.5 CaO 1-2.5 SiO ₂ 8-11 Fe ₂ O ₃ Max 1.5 Al ₂ O ₃ 84-86 TiO ₂ Max 3			
		<u>Map no.:</u>	
<u>Sieve analysis /Dimension:</u> 0-8mm			
<u>Physical properties :</u>			
Poured Density	2.5-2.8	g/cm ³	
Appearance Porosity		%	
<u>Mechanical/Thermal properties:</u>			
Permanent Linear Change		%	
Cold Crushing Strenght at 110	400-600	kg/cm ²	
Cold Crushing Strenght at 800	400-500	kg/cm ²	
Refractoriness Under Load at 1100	550-650	kg/cm ²	
Hot Modulus of Rupture			
Thermal Conductivity			
Thermal Expansion		%	
Thermal Shock Resistance		cycle	
Max Service Point	1700	° C	
<u>Remark:</u>			
<u>Packing:</u>			
Shelf life: <input checked="" type="checkbox"/> 1 Year NA <input type="checkbox"/>			
<u>Life time:</u> 12 Months			
<u>Quality Check:</u>			
Certificate from supplier and labratory test			
Edited:	Checked:	Approved:	