



Spinel refractories
Technical data sheet
SPC85 HC



General information						
Product properties		Average Value			limited values	
Classification		High Alumina				
Main raw material		high alumina				
Bonding type		Hydraulic				
Grain size		0-3.5mm				
Working method		casting				
Bulk Density $k\ g/m^3$ ASTM C20		2450				
Liquid addition		water/9-10%				
Storage limit		6month / Dry Condition				
Max Service Temp		1700°C				
CCS @ 1500 °C ASTM C133 ($k\ g/cm^2$)					450	500
CCS @ 110 °C ASTM C133 ($k\ g/cm^2$)					300	450
Linear Change%@110°C		Negligible				
Linear Change%@1500°C						
Modulus of Rupture@110°C ($k\ g/cm^2$)					80	100
Modulus of Rupture@1500°C ($k\ g/cm^2$)					120	180
Chemical analysis(Typical /Approximate)						
Al_2O_3 %	SiO_2 %	Fe_2O_3 %	TiO_2 %	N_2 %	CaO %	$(Na_2O + K_2O + Li_2O)\%$
82-87	3.5-6.5	1.0-2.0	2.0-4.0	-	3.5-6.5	-