



Spinel refractories
Technical data sheet
SPC90 AR



General information						
Product properties		Average Value			limited values	
Classification		High Alumina				
Main raw material		Tabular alumina				
Bonding type		Hydraulic				
Grain size		0-6.5mm				
Working method		casting				
Bulk Density <i>k g/m³</i> ASTM C20		2750				
Liquid addition		water				
Storage limit		6month / Dry Condition				
Max Service Temp		1820°C				
CCS @ 1600 °C ASTM C133 <i>(k g/cm²)</i>					600	750
CCS @ 110 °C ASTM C133 <i>(k g/cm²)</i>					500	800
Linear Change%@110°C		Negligible				
Linear Change%@1600°C					-0.50	0.50
Modulus of Rupture@110°C <i>(k g/cm²)</i>					90	120
Modulus of Rupture@1600°C <i>(k g/cm²)</i>					100	140
Chemical analysis(Typical /Approximate)						
<i>Al₂O₃</i> %	<i>SiO₂</i> %	<i>Fe₂O₃</i> %	<i>TiO₂</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>SiC</i> %
88-90	-	0.1-0.6	-	-	5-5.5	5.00