



Spinel refractories
Technical data sheet
SPC90 SF



General information						
Product properties		Average Value			limited values	
Classification		High Alumina Spinel				
Main raw material		Tabular alumina - Spinel				
Bonding type		Hydraulic				
Grain size		0-6mm				
Working method		casting				
Bulk Density <i>k g/m³</i> ASTM C20		2950				
Liquid addition		water				
Storage limit		6month / Dry Condition				
Max Service Temp		1880°C				
CCS @ 1500 °C ASTM C133 (<i>k g/cm²</i>)					900	1000
CCS @ 110 °C ASTM C133 (<i>k g/cm²</i>)					550	650
Linear Change%@110°C		Negligible				
Linear Change%@1500°C					-	0.50
Modulus of Rupture@110°C (<i>k g/cm²</i>)						
Modulus of Rupture@1500°C (<i>k g/cm²</i>)						
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> %
89-91.5	0.3-1.0	-	-	4.5-5.5	1.1-1.9	-