



Spinel refractories
Technical data sheet
SPC70 MC



General information						
Product properties		Average Value			limited values	
Classification		High Alumina				
Main raw material		Bauxite				
Bonding type		Hydraulic				
Grain size		0-5mm				
Working method		casting				
Bulk Density <i>k g/m³</i> ASTM C20		2750				
Liquid addition		water				
Storage limit		6month / Dry Condition				
Max Service Temp		1650°C				
CCS @ 1470 °C ASTM C133 (<i>k g/cm²</i>)					500	700
CCS @ 110 °C ASTM C133 (<i>k g/cm²</i>)					250	450
Linear Change%@110°C		Negligible				
Linear Change%@1470°C					-1.00	1.00
Modulus of Rupture@110°C (<i>k g/cm²</i>)					40	90
Modulus of Rupture@1470°C (<i>k g/cm²</i>)					80	110
Chemical analysis(Typical /Approximate)						
<i>Al₂O₃</i> %	<i>SiO₂</i> %	<i>Fe₂O₃</i> %	<i>TiO₂</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>(Na₂O + K₂O)</i> %
67-72	17-23	1-2.5	1.5-3.5	-	3.5-6.5	-