



Spinel refractories
Technical data sheet
SPC50 SC



General information						
Product properties		Average Value			limited values	
Classification		Medium Alumina				
Main raw material		chamotte				
Bonding type		Hydraulic				
Grain size		0-5mm				
Working method		casting				
Bulk Density <i>k g/m³</i> ASTM C20		2290				
Liqiud addition		water				
Storage limit		6month / Dry Condition				
Max Service Temp		1550°C				
CCS @ 1480 °C ASTM C133 <i>(k g/cm²)</i>					500	800
CCS @ 110 °C ASTM C133 <i>(k g/cm²)</i>					300	600
Linear Change%@110°C		Negligible				
Linear Change%@1480°C					-0.80	0.50
Modulus of Rupture@110°C <i>(k g/cm²)</i>					60	120
Modulus of Rupture@1480°C <i>(k g/cm²)</i>					60	120
Chemicl analysis(Typical /Approximate)						
<i>Al₂O₃</i> %	<i>SiO₂</i> %	<i>Fe₂O₃</i> %	<i>TiO₂</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>SiC</i> %
50-52	36-38	1-2	1-2	0.5-1	3-4	3-4