



1600 BOARD (300kg/m³)

NORTH REFRACTORIES CO.LTD

Item		Specification	Testing Result
Max Service Temp °C		1600	1600
Continuous Service Temp °C		1500	1500
Density kg/m ³		≥280	300
Hardness		≥50	62
Rupture Strength MPa		—	0.5
Linear Change %	1500°C × 8hr	≤2	1.0
Thermal Conductivity w/mk	at 600°C	—	0.14
	at 800°C	—	0.17
	at 1000°C	—	0.24
Chemical %	Al ₂ O ₃	≥60	64
	Al ₂ O ₃ + SiO ₂	≥97	98

• the above is typical testing result



1600 BOARD (400kg/m³)

NORTH REFRACTORIES CO.LTD

Item		Specification	Testing Result
Max Service Temp °C		1600	1600
Continuous Service Temp °C		1500	1500
Density kg/m ³		≥380	400
Hardness		≥50	70
Rupture Strength MPa		—	0.6
Linear Change %	1500°C × 8hr	≤2	0.1
Thermal Conductivity w/mk	at 600°C	—	0.14
	at 800°C	—	0.17
	at 1000°C	—	0.24
Chemical %	Al ₂ O ₃	≥60	64
	Al ₂ O ₃ + SiO ₂	≥97	98

• the above is typical testing result



1700 BOARD (350kg/m³)

NORTH REFRACTORIES CO.LTD

Item		Specification	Testing Result
Max Service Temp °C		1700	1700
Continuous Service Temp °C		1600	1600
Density kg/m ³		≥330	350
Hardness		≥50	72
Rupture Strength MPa		—	0.7
Linear Change %	1600°C × 8hr	≤2	0.2
Thermal Conductivity w/mk	at 600°C	—	0.15
	at 800°C	—	0.19
	at 1000°C	—	0.25
Chemical %	Al ₂ O ₃	≥63	75
	Al ₂ O ₃ + SiO ₂	≥97	99

• the above is typical testing result



1800 BOARD (400kg/m³)

NORTH REFRACTORIES CO.LTD

Item		Specification	Testing Result
Max Service Temp °C		1800	1800
Continuous Service Temp °C		1700	1700
Density kg/m ³		≥380	400
Hardness		≥50	78
Rupture Strength MPa		—	1.0
Linear Change %	1700°C × 8hr	≤2	0.1
Thermal Conductivity w/mk	at 600°C	—	0.20
	at 800°C	—	0.23
	at 1000°C	—	0.29
Chemical %	Al ₂ O ₃	≥69	75
	Al ₂ O ₃ + SiO ₂	≥98	99

• the above is typical testing result



1900 BOARD (700kg/m³)

NORTH REFRACTORIES CO.LTD

Item		Specification	Testing Result
Max Service Temp °C		1900	1900
Continuous Service Temp °C		1750	1750
Density kg/m ³		≥680	765
Hardness		≥50	83
Rupture Strength MPa		—	1.2
Linear Change %	1750°C × 8hr	≤2	0.3
Thermal Conductivity w/mk	at 800°C	—	0.20
	at 1000°C	—	0.23
	at 1200°C	—	0.29
Chemical %	Al ₂ O ₃	≥80	87
	Al ₂ O ₃ + SiO ₂	≥98	99.5

• the above is typical testing result