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Warehouse Phone/Fax: 814-239-9211

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Insulating Fire Brick Technical Data					
Degree		2300	2600	2800	3000
Chemical Analysis					
	Al ₂ O ₃ %	45.0%	50.0%	64.0%	72.0%
	SiO ₂ %	50.0%	43.0%	33.0%	26.0%
	Fe ₂ O ₃ %max*	0.9%	0.8%	0.7%	0.5%
	TiO ₂	1.2%	1.3%	0.9%	0.5%
Physical Properties					
Classification Temp C					
	B.D./cm ³	38.6g/cm ³	48.7g/cm ³	54.8g/cm ³	64.7g/cm ³
	Porosity %	57%	62%	63.20%	58.90%
	CCC Mpa	1.2	2.6	3.0	4.2
	MOR Mpa	0.85	1.7	2.0	3.1
	Perminant Linear Change %	-0.1%	-0.5%	-0.8%	-0.09%
	Thermal Expansion Coefficient(1100c)%	0.45%	0.5%	0.55%	0.6%
Ther. Cond. W/m.k					
	400°C/725°F	0.17	0.24	0.3	0.4
	600°C/1112°F	0.19	0.27	0.32	0.42
	800°C/1472°F	0.22	0.3	0.35	0.44
	1000°C/1832°F	0.25	0.32	0.38	0.45
	1200°C/		0.35	0.39	0.47

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The technical data above are average values obtained in accordance with accepted test methods, and are subject to normal manufacturing variations. Supplied as a technical service and subject to change without notice.