



Technical Data

NEW CASTLE REFRACTORIES

LW-28

2800 DEGREE INSULATING FIRE BRICK

PHYSICAL PROPERTIES (ASTM procedures used where applicable)		°C	°F
	Temperature Limit		1538
Bulk Density:		<u>Kg/m³</u>	<u>lb/ft³</u>
		881	55
Modulus of Rupture:		<u>kg/cm²</u>	<u>lb/in²</u>
		15.6	220
Cold Crushing Strength:		24.1	340
Permanent Linear Change, %:			
	2750 °F (1510 °C) & 24 Hours		-0.7
Thermal Conductivity (ASTM C 182)		<u>W/mK</u>	<u>BTU/Ft²/Hr./°F/In.</u>
	500 °F (260 °C)	0.33	2.3
	1000 °F (537 °C)	0.35	2.4
	1500 °F (815 °C)	0.37	2.6
	2000 °F (1093 °C)	0.39	2.7

CHEMICAL ANALYSIS (Ignited)		Al ₂ O ₃	67.0
		SiO ₂	30.5
		Fe ₂ O ₃	0.3
		TiO ₂	0.9
		CaO	0.3
		MgO	0.0
		Alkalies	1.0

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