



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA - TYPICAL

REFRACTORY BRICK

KILGARD

Classification	A high strength cryolite resistant refractory barrier brick excellent for aluminum pot-line use.		
Refractoriness P.C.E.	Cone 16-18		
Temperature Equivalent	2716-2772°F		(1491-1522°C)
Bulk Density	133-141 lbs/ft ³		(2.13-2.26 g/cm ³)
Cold Crushing Strength	8000-14000 lbs/in ²		(55-97 MPa)
Absorption	4-8%		
Apparent Porosity	10-17%		
Permeability	2 centidarcys		
Thermal Conductivity	<u>Btu/ft²•Hr•°/in</u>		<u>(W/mK)</u>
400°F	(204°C)	7.0	1.0
1500°F	(816°C)	9.7	1.4
<u>Chemical Analysis</u>			
Silica	SiO ₂	60-65%	
Alumina + Titania	Al ₂ O ₃ + TiO ₂	23-27%	