

# DARLEY REFRACTORIES AUSTRALIA PTY. LTD.

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## PRODUCT

## DENSECRETE 160

## DESCRIPTION

A very high temperature, high strength refractory castable comprised of low iron content, high alumina hydraulic setting cements and hard stable refractory aggregate

## MAXIMUM RECOMMENDED SERVICE TEMPERATURE\*

1600<sup>0</sup>C

## TYPICAL PROPERTIES:

Bulk Density (cast & dried @ 110 <sup>0</sup> C)	2,050	kg/m <sup>3</sup>			
Cold Compressive Strength	<u>110</u>	<u>1050</u>	<u>1450</u>	<u>1600<sup>0</sup>C</u>	Mpa
Modulus of Rupture	35	20	35	65	
Permanent Linear Change After heating for 5hr @	8	5	8	15	Mpa
	Neg.	-0.2	-0.5	±1.5	%

## THERMAL CONDUCTIVITY: (On cooling from 1050<sup>0</sup>C)

@ Mean Temp

500<sup>0</sup>C  
1.05

1100<sup>0</sup>C  
1.07W/m.<sup>0</sup>K

## TYPICAL COMPOSITION:

Alumina	54	%
Silica	40	
Calcia	4	
Ferric Oxide	1	

NOTE: Data is derived from routine testing of regular grade mixes and is not a guaranteed specification.