

DARLEY REFRACTORIES AUSTRALIA PTY. LTD.

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PRODUCT

LITECRETE 640

DESCRIPTION

A medium temperature extra light weight insulating refractory castable comprised of hydraulic setting aluminous cements and insulating aggregates suitable for back-up application.

MAXIMUM RECOMMENDED SERVICE TEMPERATURE*

1050⁰C

TYPICAL PROPERTIES:

Bulk Density (cast & dried @ 110 ⁰ C)	700	kg/m ³		
	<u>110</u>	<u>750</u>	<u>1050</u>	⁰ C
Cold Compressive Strength	2.5	1.0	0.5	MPa
Modulus of Rupture	.5	-	-	MPa
Permanent Linear Change After heating for 5hr @	-0.1	-0.1	-0.5	%

THERMAL CONDUCTIVITY: (On cooling from 1050⁰C)

@ Mean Temp	<u>200⁰C</u>	<u>600⁰C</u>
	0.16	0.20 W/m. ⁰ K

TYPICAL COMPOSITION:

Alumina	30	%
Silica	27	
Calcium	20	
Ferric Oxide	12	
Magnesia	7	
Alkalies	2	

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

Water Addition for casting: 82%