

RESCOLITE LW

RESCOLITE LW IS A STANDARD LIGHTWEIGHT CASTABLE WITH GOOD INSULATING PROPERTIES. RESCOLITE LW IS SUITABLE FOR USE IN EITHER BI-WALL OR SINGLE LAYER LININGS AND CAN BE READILY APPLIED BY CASTING OR GUNNING.
CAST DATA

MAXIMUM SERVICE TEMPERATURE (M.S.T.) (1095°C)

BULK DENSITY

@ 110°C	65 - 72	LBS/FT ³	1041 - 1153	KG/M ³
@ 815°C	58 - 64	LBS/FT ³	929 - 1025	KG/M ³

COLD CRUSHING STRENGTH

@ 540°C	400 - 700	P.S.I.	28 - 48	KG/CM ²
@ 815°C	300 - 600	P.S.I.	21 - 41	KG/CM ²
@ 1095°C	300 - 600	P.S.I.	21 - 41	KG/CM ²

COLD MODULUS OF RUPTURE

@ 540°C	100 - 200	P.S.I.	7 - 14	KG/CM ²
@ 815°C	80 - 180	P.S.I.	6 - 12	KG/CM ²

PERMANENT LINEAR CHANGE

@ 815°C - 0.10 TO - 0.40 %

CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT²/HR/°F/IN</u>	<u>W/m</u>
@ 540°C (1000°F)	1.80	0.26
@ 815°C (1500°F)	1.85	0.27

TYPICAL CHEMICAL ANALYSIS (%)

AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	AlK
28.7	48.3	10.2	9.3	0.6	1.0	1.9

1.8044

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled conditions and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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RESCOLITE LW

RESCOLITE LW CAN BE READILY APPLIED BY GUNITE APPLICATION. DATA SHOWN ARE AVERAGE RESULTS OF TESTS FOLLOWING THE GUIDELINES SET FORTH IN ASTM C-903-70 "PREPARING REFRACTORY CONCRETE SPECIMEN'S BY COLD GUNNING".

MAXIMUM SERVICE TEMPERATURE (M.S.T.) (1095°C)

BULK DENSITY

@ 815°C 65 - 75 LBS/FT³ 1041 - 1201 KG/M³

COLD CRUSHING STRENGTH

@ 815°C 300 - 600 P.S.I. 21 - 41 KG/CM²
@ 1095°C 300 - 600 P.S.I. 21 - 41 KG/CM²

PERMANENT LINEAR CHANGE

@ 815°C - 0.00 TO - 0.50 %

CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT²/HR/°F/IN</u>	<u>W/mK</u>
@ 540°C (1000°F)	1.95	0.28
@ 815°C (1500°F)	2.20	0.31