RESCOLITE 40

RESCOLITE 40 IS A INSULATING MATERIAL WITH LOW THERMAL CONDUCTIVITY WHICH IS NORMALLY USED AS BACK-UP INSULATION. MATERIAL CAN BE CAST OR GUNNED.

CAST DATA:

MAXIMUM SERVICE TEMPERATURE (M.S.T.) (1100°C)

BULK DENSITY

@ 110°C	41 - 49	LBS/FT³	660 - 780	KG/M³
@ 815°C	36 - 44	LBS/FT³	575 - 700	KG/M³

COLD CRUSHING STRENGTH

@ 110°C	350 - 500	P.S.I.	24 - 34	KG/CM²
@ 815°C	250 - 350	P.S.I.	17 - 24	KG/CM²

COLD MODULUS OF RUPTURE

@ 815°C	50 - 75	P.S.I.	3.5 - 5	KG/CM²

PERMANENT LINEAR CHANGE

@ 815°C - 0.30 TO - 0.60 %

MAXIMUM GRAIN SIZE 3/16 INCH 4.75 MM

STORAGE LIFE 2 YEARS UNDER DRY CONDITIONS

PACKAGING 20 KG PAPER SACKS

CONDUCTIVITY OR "K" FACTOR

MEAN TEMP	BTU/FT²/HR/°F/IN	W/mK
@ 815°C (1500°F)	1.10	0.16

TYPICAL CHEMICAL ANALYSIS (%)

AL_2O_3	SiO_2	Fe_2O_3	CaO	MgO	TiO_2	AlK
29.2	34.7	9.3	16.2	3.7	2.0	3.0

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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GUN DATA ON PAGE 2

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RESCOLITE 40 CAN ALSO BE READILY APPLIED BY GUNITE APPLICATION. DATS SHOWN ARE AVERAGE RESULTS OF TESTS FOLLOWING THE GUIDELINES SET FORTH IN ASTM C-930-70 "PREPARING REFRACTORY CONCRETE SPECIMENS BY COLD GUNNING".

MAXIMUM SERVICE TEMPERATURE (M.S.T.) (1100°C)

BULK DENSITY

@ 815°C	45 - 55	LBS/FT^3	720 - 880	KG/M^3

COLD CRUSHING STRENGTH

@ 110°C	300 - 500	P.S.I.	21 - 34	KG/CM^2
@ 815°C	250 - 400	P.S.I.	17 - 28	KG/CM^2

PERMANENT LINEAR CHANGE

@ 815°C - 0.30 TO - 0.70 %

CONDUCTIVITY OR "K" FACTOR

MEAN TEMP	BTU/FT^2/HR/°F/IN	W/mK
@ 260°C (500°F)	1.10	0.16