

PACOCAST 24

PACOCAST 24 is a Pyrophyllite/Andalusite based castable having good hot load characteristics. This unique combination of minerals has proven superior to other calcined materials when subjected to long-term hot load deformation. Negligible shrinkage at higher temperature makes it an ideal choice of most general duty applications.

MAXIMUM SERVICE TEMPERATURE (M.S.T.) (1370°C)

BULK DENSITY

@ 110°C	120 - 127	LBS/FT ³	1922 - 2034	KG/M ³
@ 815°C	113 - 120	LBS/FT ³	1810 - 1922	KG/M ³

COLD CRUSHING STRENGTH

@ 815°C	1000 - 1500	P.S.I.	70 - 105	KG/CM ²
@ 1370°C	1500 - 3000	P.S.I.	105 - 175	KG/CM ²

COLD MODULUS OF RUPTURE

@ 815°C	200 - 350	P.S.I.	14 - 25	KG/CM ²
@ 1370°C	300 - 500	P.S.I.	21 - 35	KG/CM ²

PERMANENT LINEAR CHANGE

@ 1095°C	- 0.10 TO + 0.20 %
@ 1370°C	0.00 TO + 2.00 %

POROSITY @ 1000°F (540°C) 29 %

CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT²/Hr/°F/in</u>	<u>W/mK</u>
@ 540°C	4.2	0.60
@ 815°C	4.6	0.66
@ 1095°C	5.1	0.73

TYPICAL CHEMICAL ANALYSIS (%)

AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	Alk
43.0	48.8	1.0	5.7	Tr	1.4	0.1

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. RESCO PRODUCTS disclaims any expressed or implied warranties based on this sheet. 01/08/13 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet