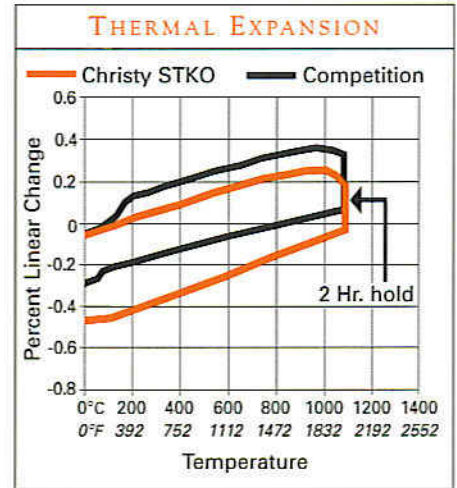


STKO[®] Alumino-Silicate Grains and Flours

STKO[®] Alumino-Silicate contains less cristobalite so that it does not exhibit a high expansion at autoclave temperatures. This makes it ideal for today's precision investment caster.

STKO is screened to close tolerances to assure consistent, precise sizing. Plus, constant de-dusting throughout the screening process makes STKO virtually dust-free. Christy works with customers to determine proper size — from coarse to fine grains.

When your application demands superior ceramic refractory mold media, STKO grains and flours deliver the precision performance you need.



Chemical Analysis:

	STKO
%SiO ₂	51.65
%Al ₂ O ₃	43.35
%Fe ₂ O ₃	0.91
%TiO ₂	2.27
%MgO	0.26
%CaO	0.14
%Na ₂ O	0.02
%K ₂ O	0.72
%P ₂ O ₅	0.20

Physical Properties:

	STKO
Bulk Density	2.55 (gm/cc)
Apparent Porosity, %	2.5
PCE	33-34
Mineralogy:	
% Mullite	65
% Glass	25
% Cristobalite	10

Note: All data subject to reasonable deviation. ASTM Test Methods, where applicable, used for determination of data.

Grain Size Specifications (% Retained)

U.S.S. SIEVE SIZE	8	10	14	20	30	40	50	70	100	140	200	270	325	PAN*
10 x 18	0-2	2-10		75-95	0-4									0-1
14 x 28			0-1	30-55	25-35	15-30	2-7							0-1
16 x 30			0-2	35-55	35-55	2-10								0-1
22 S			0	21-39	40-59	10-29	0.5-8	0-1.5	0-1.5					0-1
35 S			0	2-8	45-60	30-40	0-6	0-1						0-1
50 S				0-1	0-6	20-40	35-45	18-30	2-10	0-3				0-1
60 S					TR	0-6	30-50	30-40	0-4	0-1				0-1
20 x 50			0	0-10	30-60	30-40	5-15	0-3						0-1
25 x 80				0-6	25-35	35-45	20-30	0-5						0-1
50 x 100						0-5	50-70	25-40	1-6	0-2				0-1
200 Ceramic Mill								TR			15-25			75-85
325 Ceramic Mill													5-15	85-95

*PAN indicates percentage of material which passed the last screen per sizing.

PLANT

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CHRISTY MINERALS

SALES OFFICE/DISTRIBUTOR