



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.

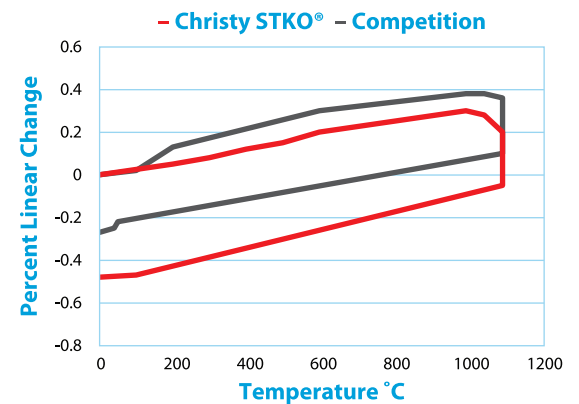
STKO® is screened to close tolerances to assure consistent, precise sizing. Plus, constant de-dusting throughout the screening process makes STKO® virtually dust-free. Christy works with customers to determine proper size – from coarse to fine grains.

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

Chemical Analysis	STKO®	Physical Properties	STKO®
SiO ₂	51.65%	Bulk Density	2.55 (gm/cc)
Al ₂ O ₃	43.05%	Apparent Porosity	2.5%
Fe ₂ O ₃	1.25%	PCE	33-34
TiO ₂	2.27%	Mineralogy:	
MgO	0.41%	Mullite	65%
CaO	0.25%	Glass	25%
Na ₂ O	0.02%	Cristobalite	10%
K ₂ O	0.90%		
P ₂ O ₅	0.20%		

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

Thermal Expansion



Typical Particle Size Distribution (% Retained)

U.S.S. Sieve Size	16	20	30	40	50	70	100	140	200	270	325	Pan*
STKO® 14 x 28	0-1	20-45	25-45	15-30	5-15							0-1
STKO® 22 S	0-1	15-40	45-70	15-30	0-3							0-1
STKO® 35 S	0-1	5-15	25-50	25-50	5-15	0-1						0-1
STKO® 50 S		0-1	0-3	25-55	25-45	10-30	0-10	0-3				0-1
STKO® 60 S			0-1	0-10	25-70	25-50	0-10	0-6				0-1
STKO® 105 S					0-5	30-60	35-55	5-20			0-5	0-3
Ceramic Ball Milled Flours	Microtrac D-50 Channel											
STKO® 150 S	30-40 μ											
STKO® 200 S	20-30 μ											

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

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Sales Office/Distributor:



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