



# PSH Clay Bodies: Typical Properties

Low Fire	% Avg. Dry Shrink.	%Total Avg. Shrink. 06	%Total Avg. Shrink. 04								coe* 06	
C400X	5.6	7.3	15.7	8.1	11.4							7.89
C405X	5.8	6.5	16.4	7.1	12.6							7.15
C415X	4.6	5.0	14.9	5.6	11.3							6.91
C425X	6.0	6.6	14.2	9.4	6.7							6.91
C435X	5.6	6.4	13.4	8.2	7.3							6.91
C700X	4.5	6.6	17.3	7.5	13.8							7.15

Cone 6	% Avg. Dry Shrink.	% Avg. Absorp. 06		% Avg. Absorp. 04	%Total Avg. Shrink. 6	% Avg. Absorp. 6					coe* 6	
C455X	6.1		14.9	11.7	11.2	2.5						7.46
C500X	5.7		11.5	9.1	10.4	<0.5						7.76
C505X	5.0		14.6	10.6	10.5	2.0						8.30
C510X	5.6		15.4	11.3	12.0	2.0						8.05
C515X	5.7		13.5	11.5	12.4	1.5						7.76
C516X	6.1		16.3	12.6	12.4	1.5						7.46
C519X	5.2		16.7	14.3	11.6	1.7						7.46
C519S	5.0		15.9	13.5	11.0	1.8						7.46
C522X	5.6		16.4	13.6	12.4	1.2						6.88
C540i	6.3		12.4	8.4	11.5	<0.5						8.55
C542X	5.9		15.4	10.4	11.7	1.2						8.05
C909X	6.1		14.8	9.8	12.1	1.3						6.88
C910X	6.1		14.8	9.8	12.1	1.3						6.88

Cone 10 & Raku	% Avg. Dry Shrink.	% Avg. Absorp. 06		% Avg. Absorp. 04	%Total Avg. Shrink. 10		% Avg. Abs. 10 ox.	% Avg. Abs. 10 red.			coe* 10
C524X	6.0	524K	14.1	12.8	11.0	0.8	0.5				6.88
C570X	5.8	575F	15.3	13.1	10.6	1.9	1.7				7.46
C575X	4.7		13.7	11.7	8.3	3.5	3.5				7.46
C575S	5.8	SHEBA GLOTH WHITE RAKU 575SM	14.7	12.9	10.5	4.0	3.8				7.46
C575M	6.0	SHEBA SUPER SMOOTH WHITE RAKU (NEW)	16.1	14.4	Not recommended for cone 10						
C580X	5.8		14.8	12.4	12.1	1.7	1.6				7.46
C600X	4.9		14.8	12.8	10.1	2.6	1.4				7.76
C900X	5.2		17.2	14.6	13.0	0.5	0.5				6.88
C905X	5.6		16.3	12.0	12.6	0.0	0.0				7.17
CSHBX	6.8	SMOKIE HOT BODY	15.4	13.0	11.9	1.6	1.1				7.46
CWSCX	5.6	HOLY SMOKIE'S WOOD FRESH SALT CLAY	18.2	15.6	13.4	0.5	0.5				6.59

\*coe: coefficient of expansion information supplied is based on the crazing behaviour of 10 quality control glazes fired to cone 06, cone 6 or cone 10 having coe's ranging from  $6.29 \times 10^{-6}/^{\circ}\text{C}$  to  $8.87 \times 10^{-6}/^{\circ}\text{C}$  as determined by Insight glaze calculation software. Fully fused glazes having a lower coe (as determined by Insight) than the value indicated are not expected to craze. While this information is useful in assessing glaze suitability, it is not definitive; actual testing under user firing conditions is strongly advised.