



Clay Tile Technical Specification

Characteristics	EN 14411:2012	LOPO Specification	Test Results	Test Reference
Dimensions and surface quality				
Length	± 1.5%/max:± 2 mm	(-0.1mm~0.7mm)	Qualified	
Width	±1.5%/max:± 2 mm	(-0.6mm~0.2mm)	Qualified	ISO10545-2
Thickness	±10%	(-0.4mm~0.5mm)	Qualified	
Surface quality	A minimum of 95% shall be free from visible defects that would impair the appearance of a major area.	A minimum of 95% shall be free from visible defects that would impair the appearance of a major area.	Qualified	ISO10545-2
Physical properties				
Water absorption	3%≤E≤6%	E≤5.1%, Individual max: ≤5.5%	Qualified	ISO10545-3
Breaking strength	≥800N	1039N	Qualified	ISO10545-4
Modulus of rupture	Average≥13	Average≥23		
Frost resistance	Test method available	No visible damages after 100 changes of freezing and thawing		ISO10545-12
Thermal shock resistance	Test method available	Free from defects after 10 cycles		ISO10545-9
Chemical properties				
Resistance to low concentrations of acids and alkalis	Test method available	Unaffected		ISO10545-13

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