

Earthenware Light - GMWC

Chemical analysis

SiO ₂	69,0 %
Al ₂ O ₃	18,5 %
TiO ₂	1,5 %
Fe ₂ O ₃	1,0 %
CaO	7,1 %
MgO	0,3 %
K ₂ O	2,3 %
Na ₂ O	0,0 %
Loss on ignition	8,6 %

Firing behaviour

	°C	°C	°C	°C	°C
Firing temperature	1000	1050	1100	1150	1200
Dry shrinkage	5,8	5,9	6,3	5,4	5,8
Firing shrinkage	0,3	0,6	1,3	1,2	2,5
Total shrinkage	6,0	6,5	7,5	6,5	8,1
Water absorption	16,2	13,9	10,2	10,2	0,4
Firing color	white	cream-white	cream-white	cream-white	cream-grey
L*			77	76	71
a*			2,6	2,4	1,8
b*			4,7	16,0	13,9

Screen analysis

< 125 µm	98,0 %
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Modulus of rupture

N/mm²

Thermal expansion coefficient

(prefired 1000°C)

20-400°C	74 *10 ⁻⁷ /K
20-500°C	79 *10 ⁻⁷ /K
20-600°C	95 *10 ⁻⁷ /K

Above technical data are for information only. Our materials are sold according to samples and according to our general selling terms.