

Standard Porcelain™



Standard Porcelain™ is a trade mark of IMERYS Minerals Ltd

ECC is a business name of IMERYS Minerals Ltd

The data quoted are determined by the use of Imerys Standard Test Methods, copies of which will be supplied on request. Every precaution is taken in production to ensure the products conform to our published data. Since the products are based on naturally occurring materials, we reserve the right to change these data should it become necessary. Sales are in accordance with our "Conditions of Sale", copies of which will be supplied on request.

*8 micron is measured by sedigraph and is equivalent to the previously quoted 10 micron by the decantation method.

PRODUCT SPECIFICATION

Chemical Composition (mass %):

Fe₂O₃

Value

0,68

Range

Min

0,62

Max

0,74

K₂O

1,65

1,47

1,83

Particle Size (mass %):

+53 micron

0,04 max

+8 micron*

4

1

7

-2 micron

70

65

75

Modulus of Rupture (MNm⁻²):

80%RH

1,4

1,1

1,7

TYPICAL DATA

The following data is provided for information only and is derived from quality control tests over a number of years. It does not constitute a specification.

Chemical Composition (mass %):

SiO₂

48,0

Al₂O₃

36,5

TiO₂

0,02

CaO

0,07

MgO

0,30

Na₂O

0,10

L.O.I

12,5

Casting Data:

Casting concentration (mass % solids)

62,0

P84 demand (mass %)

0,55

Casting Rate (mm² min⁻¹)

0,20

Fired Properties:

Water absorption (mass %)

1180°C

11,5

1280°C

6,5

Brightness (%)

1180°C

89,0

1280°C

87,0

Contraction (%)

1180°C

9,5

1280°C

12,5

C1/106/K

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