

# Hymod™ Excelsior



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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.



ISO 9001  
FM 14752

## PRODUCT SPECIFICATION

### Chemical Composition (mass %):

SiO<sub>2</sub>

Value

Range

Min

Max

Fe<sub>2</sub>O<sub>3</sub>

TiO<sub>2</sub>

K<sub>2</sub>O

49

1,6

1,5

1,2

47

1,3

1,2

0,9

51

1,8

1,7

1,5

### Surface Area (BET):

48

42

54

## 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 %):

Al<sub>2</sub>O<sub>3</sub>

CaO

MgO

Na<sub>2</sub>O

L.O.I

35

0,3

0,3

0,2

12,0

### Particle Size (mass %):

+125 micron

+53 micron

-5 micron

-2 micron

-1 micron

-0,5 micron

0,3

0,6

96

92

87

80

### Modulus of Rupture (MNm<sup>-2</sup>):

Dried at 110°C

7,5

### Fired Properties:

Water Absorption (mass %)

1120°C

1180°C

1240°C

Brightness (%)

1120°C

1180°C

1240°C

Contraction (%)

1120°C

1180°C

1240°C

7,0

5,0

3,0

69

65

63

14,0

15,0

16,0

### Casting Data:

Casting concentration (mass % solids)

Na<sub>2</sub>CO<sub>3</sub> + M75 sodium silicate (mass %)

7 poise

5 poise

58,5

3,2

3,7

Carbon (wt %):

0,3

W.S. salts (wt %):

0,15

C1/320/B

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