

# Hyplas™ 71



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IMERYS Minerals Ltd

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The data quoted are determined by the use of 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.

## PRODUCT SPECIFICATION

### Chemical Composition (mass %)

|                                | Value | Range |     |
|--------------------------------|-------|-------|-----|
|                                |       | Min   | Max |
| SiO <sub>2</sub>               | 71    | 68    | 73  |
| Al <sub>2</sub> O <sub>3</sub> | 18,5  | 16,5  | 21  |
| Fe <sub>2</sub> O <sub>3</sub> | 0,8   | 0,6   | 1   |
| TiO <sub>2</sub>               | 1,6   | 1,4   | 1,8 |
| K <sub>2</sub> O               | 1,9   | 1,4   | 2,2 |
| Loss on ignition               | 5,3   | 4,7   | 5,8 |

### Surface Area - BET (M<sup>2</sup>/g)

|    |    |    |
|----|----|----|
| 19 | 14 | 24 |
|----|----|----|

## 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 %)

|                   |     |
|-------------------|-----|
| CaO               | 0,1 |
| MgO               | 0,3 |
| Na <sub>2</sub> O | 0,3 |
| Carbon            | 0,2 |

### Particle Size (mass %)

|            |    |
|------------|----|
| 5 microns  | 72 |
| 2 microns  | 58 |
| 1 micron   | 48 |
| 0,5 micron | 39 |

### Residue (%)

|      |     |
|------|-----|
| >125 | 0,7 |
|------|-----|

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

|                |     |
|----------------|-----|
| Dried at 110°C | 7,0 |
|----------------|-----|

### Fired Properties (@ 1170°C)

|                          |   |
|--------------------------|---|
| Water absorption (mass%) | 5 |
|--------------------------|---|

|                |    |
|----------------|----|
| Brightness (%) | 48 |
|----------------|----|

|                 |     |
|-----------------|-----|
| Contraction (%) | 4,8 |
|-----------------|-----|

C1/318/B

November 2008

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Sixth Edition.

This supersedes the document dated March 2008



ISO 9001  
FM 14752

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