

Hywite™ Magnum



Hywite™ 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 "Condition of Sales", copies of which will be supplied on request.



FM14752
BS EN ISO 9001:2000

PRODUCT SPECIFICATION

Chemical Composition (mass %):

	Value	Range	
		Min	Max
SiO ₂	49	48	52
Al ₂ O ₃	31,0	29,0	33,0
Fe ₂ O ₃	1,2	1,0	1,4
TiO ₂	0,9	0,75	1,1
K ₂ O	2,0	1,7	2,3
L.O.I	14,5	13,0	16,0

Surface Area (MBI):

Value	Range
	Min Max
34	29 40

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	0,2
MgO	0,3
Na ₂ O	0,2

Particle Size (Mass %):

+125 microns	1,5
+53 microns	2,0
-5 microns	96
-2 microns	87
-1 micron	79
-0.5 micron	66

Modulus of Rupture (MNm⁻²):

Dried at 110°C	7,5
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Fired Properties:

Water Absorption (mass%)	1120°C	9,5
	1180°C	5,5
	1240°C	3,5
Brightness (%)	1120°C	76
	1180°C	70
	1240°C	65
Contraction (%)	1120°C	12,0
	1180°C	14,0
	1240°C	15,0

Casting Data:

Casting concentration (mass % solids)	62,5	
Na ₂ CO ₃ +M75 sodium silicate (mass %)	7 poise	0,9
		1,3
	5 poise	

Carbon (wt %)	3,2
W.S. Salts (wt %)	0,15

C1/302/B
April 2000

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Fifth Edition.
This supercedes the document C146 dated July 1994

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