

CELITE 209

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NATURAL DIATOMACEOUS EARTH FOR FILLER AND SPECIALITY APPLICATIONS

A specially formulated natural mineral additive with low crystalline silica content, below 1%. This highly absorptive carrier is most suited for anti-caking applications, as a chemical catalyst, and also as a dispersant carrier for insecticides and herbicides.

PRODUCT

Production location	Alicante, Spain
Product Type	Natural, Fresh Water Diatomaceous Earth

TYPICAL PHYSICAL PROPERTIES

Colour	White
Loose Weight	(g/l) 170
Wet Density	(by centrifugation) (g/l) 415
Moisture	(% by weight as shipped) 2.5
pH (10% slurry)	8.5
Blue Light Reflectance	78
Surface area	(B.E.T.) m ² /g 11
Oil Absorption	(% by weight) 130
Water Absorption	(% by weight) 145

Typical Particle Size

Retained on 325 Mesh, 45 µm (% by weight)	0.30
Retained on 150 Mesh, 105 µm (% by weight)	0.05
Diameter at which 10% is less (by Microtrac) µm	4.52
Diameter at which 50% is less (by Microtrac) µm	12.1
Diameter at which 90% is less (by Microtrac) µm	22.1

TYPICAL CHEMICAL PROPERTIES (% by weight)

Loss on Ignition	10
SiO ₂	83.3
Al ₂ O ₃	0.8
Fe ₂ O ₃	0.4
CaO	5.0
MgO	0.4
Na ₂ O	0.1
K ₂ O	0.02

Typical values are not to be used as specifications.

The physical or chemical properties of IMERYS products represent typical, average values obtained in accordance with generally accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice.

Technical data shown above are considered accurate and reliable, however, no guarantee is given nor intended. For important Health & Safety information, please refer to MSDS.