CELITE® 545

FLUX CALCINED DIATOMACEOUS EARTH FILTER AID

With medium permeability, for rapid filtration in aqueous streams, this product is also suited for highly viscous liquids such as casein, pectin, adhesives, greases, sizings, waxes and tars, syrups and synthetic resins.

PRODUCT

Production location	Alicante, Spain
Product Type	Flux Calcined, Fresh Water Diatomaceous Earth

TYPICAL PHYSICAL PROPERTIES

Colour		White
Loose Weight	(g/l)	300
Wet Density	(by centrifugation) (g/l)	355
Density EBC	(g/l)	400
Permeability EBC	(Da)	4.5
Surface Area	(B.E.T.) m^2/g	0.8
pH	(10% slurry)	10.5
Resistivity	(kilohms)	6
Blue Light Reflectance		90

Typical Particle Size

Retained on 30 Mesh, 600 µm	(% by weight)	0.8
Retained on 150 Mesh, 106 µm	(% by weight)	21.8
Diameter at which 10% is less	(by Microtrac) µm	20.8
Diameter at which 50% is less	(by Microtrac) µm	46.8
Diameter at which 90% is less	(by Microtrac) µm	120.8

TYPICAL CHEMICAL PROPERTIES (% by weight)

Acid Solubles	7.5
Loss on ignition	0.1
SiO_2	89.4
Al_2O_3	1.0
Fe_2O_3	0.4
CaO	6.8
MgO	0.4
Na_2O	1.8
K_2O	0.1

IMERYS FILTRATION & ADDITIVES EUROPE

Sales Office
154 rue de l'Université
75007 Paris – France
Tel: +33 1 49 55 63 00
Fax: +33 1 49 55 66 56

Production Site
Apartado de Correos n° 46
Carretera de Elche Km 6
ES - 03080 Alicante - Spain
Tel: +34 (96) 528 4033
Fax: +34 (96) 528 4069

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.