

Fillite

Hollow Alumina Silicate Micro Spheres



Description

- Hollow micro spheres
- Excellent flow properties, does not get in suspension in the air during handling.
- Chemical inertia, excellent mechanical properties
- Compatible with a lot of matrix, epoxy, polyester, polyurethane
- Structural applications : Syntactic core, levelling of floor, casting, lightened filler paste
- Ease of application : creamy, homogeny, easy to smooth
- Thermal insulator
- Not inflammable

Physical Properties

Shape:	Hollow micro spheres
Aspect:	Powder
Colour:	Grey becoming brown when in contact with liquid
Nature of walls	Alumina silicate
Internal gas :	Carbon dioxide and Nitrogen 70 / 30
Diameter of particles:	5 to 300 microns 75 % less than 150 microns
Thickness of walls :	5 to 10 % of the sphere diameter
Mohs Hardness :	5
Humidity:	Less than 0.5 % of the weight
Bulk density :	350 to 450 g / litre
Melting point :	1200 – 1400 °C
Ph	6-8 in solution @ 50 % (neutral)
Smell:	without
Oil absorption :	16 – 18 g of oil for 100 g of Fillite
Compression resistance:	3.4 MPa - 34 Bars - 500 Psi
Abrasion resistance:	Good.

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