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, homogeneity, 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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