



Technical Data Sheet.

Product Name: Quartz (Silica Sand)

Product Number: P3337

Product profile:

This is produced by Iron-free grinding and accurate sieving by means of air-separators of Silica sand with a SiO_2 content of over 99%. This material has uses in the Ceramics, Glass & Paint Industries.

Appearance: Fine ground off white powder.

Typical Properties.

Chemical Analysis. (weight %)

SiO_2 : 99.5

Fe_2O_3 : 0.03

Al_2O_3 : 0.20

TiO_2 : 0.03

K_2O : 0.05

CaO : 0.02

Fineness (Grain size)

240's mesh ($63\mu\text{m}$): 98% passes

300's mesh ($53\mu\text{m}$): 95% passes

350's mesh ($45\mu\text{m}$): 91% passes.

Density: 2.65kg/dm^3

Bulk density: 0.85kg/dm^3

Specific Surface: $0.9\text{m}^2/\text{g}$

Oil absorption: 19g/100g

Hardness: 7Mohs

pH: 7

Loss on ignition: 0.12%

Refractive index: 1.55