

# PFL High Purity Quartz Silica Sand



- Applications:** Filtration of :
- Potable Water
  - Surface Water
  - Tertiary Treatment of Effluent
  - Process Waters
  - Swimming Pool Water

**Characteristics:**

Shape	Round and spherical
Specific Gravity	2.65
Hardness	6 to 7 Moh
Bulk Density	1.50 Tonnes / m <sup>3</sup> (loose) 1.64 Tonnes / m <sup>3</sup> (compacted)
Free of visible:	Clay, dust, organic matter and any other contamination

**Attrition Resistance:** Less than 1% (100 hours accelerated washing).

**Typical  
Chemical Analysis:**

SiO <sub>2</sub>	97.0 - 99.80%
Fe <sub>2</sub> O <sub>3</sub>	1.0 -1.5%
Al <sub>2</sub> O <sub>3</sub>	0.5%
K <sub>2</sub> O	0.02%
Loss on Ignition	0.05%
Acid Solubility	Less than 1% ( 24 hrs. at 20 °C, 20% HCl).

**Grades Available:** Standard sizes such as: ■ BS 16/30 (1.0 to 0.5 mm)  
■ BS 14/25 (1.18 to 0.6 mm)  
■ BS 8/16 (2.0 to 1.0 mm)  
produced to standard BS EN specifications.

No more than 5% greater than the largest mesh size and no more than 5% finer than the smallest mesh size. (Media usually supplied with less than 2% passing lower and upper mesh sizes as standard).

Uniformity Coefficients of the standard grades are less than 1.45

Special gradings are available produced specifically to customers requirements.

- Packaging:** Sands can be packed and delivered in:
- 25 kg. Plastic bags
  - 1.0 Tonne, 1.25 or 1.50 Tonne bulk bags
  - Pneumatic bulk tankers
  - Bulk tippers