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## CRUSHED NATURAL QUARTZ

**Valli crushed natural quartz** is quartz sand that has been crushed, dried and sieved, with an SiO<sub>2</sub> content of 95%, a hardness of 7 on the Mohs scale, melting temperature of 1500/1700°.

**Valli crushed natural quartz** is used in the following sectors:

Water treatment filters, drinking water plants, floorings and paving's, wall coatings, bituminous sheathings, cement mortars, sealants, sanitary fittings, sandblastings, abrasives, refractory materials, glass industries, foundries, sports facilities, pools, aquariums, etc.

### Grain sizes

0/70 Micron	40/200 Micron	0,1/0,3 mm	0,3/0,5 mm	0,4/0,8 mm	0,8/1,2 mm	1/2 mm	1/3 mm	3/6 mm	6/9 mm	10/20 mm	20/30 mm	30/50 mm
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### Physical properties:

Shape	polyhedric
Colour	white
Hardness (on Mohs scale)	7
pH	7 – 8 in aqueous solution
Melting temperature	1500 ° - 1700°
Loss on ignition	0.49 %
Absolute mass	2.65 g/cm <sup>3</sup>
Apparent mass	1400kg/m <sup>3</sup>
Solubility	Insoluble in water and mineral acids (excluding HF)

### Chemical analysis:

Elements	%
SiO <sub>2</sub>	95,7
Al <sub>2</sub> O <sub>3</sub>	2,75
K <sub>2</sub> O	1,14
Fe <sub>2</sub> O <sub>3</sub>	0,19
MgO	0,08
Na <sub>2</sub> O	0,07
TiO <sub>2</sub>	0,04
CaO	0,03