

## PETRA BUILD CARE PRODUCTS

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# Petra FILLIT 500W: Technical Data Sheet

- **Petra FILLIT 500W** = (particle size is <500 micron size, off white color)

### Petra FILLIT 500W : Chemical composition (%):

SiO <sub>2</sub> > 55	CaO > 2
Al <sub>2</sub> O <sub>3</sub> > 31	K <sub>2</sub> O > 1
Fe <sub>2</sub> O <sub>3</sub> < 3	loss < 1
MgO < 1	

### Petra FILLIT 500W : Physical properties

Particle Size (um) : 5-500 microns  
Particle Density (g/cm<sup>3</sup>) : 0.6-0.7 g/cc  
Bulk Density (g/cm<sup>3</sup>) : 0.26-0.45 g/cc  
Moisture : <0.5%  
Sinkers : <3%  
Hardness Mohs Scale : 5-7  
Loss on Ignition : 2% maximum  
Thermal Conductivity : 0.11 W/mK  
Reactivity : Inert/very low reactivity  
Crush Strength : 105-210 kg/cm<sup>2</sup> (1500 - 3000 psi)  
Oil Absorption : 16-18g oil/100g  
Flammability : Not combustible  
Melting point : 1500oC approx.  
Solubility Negligible in water

### Petra FILLIT 500W : Particle size distribution

Size in Micron	Percentage retaining on screen
500	0.01
300	5.5
200	9.5
75	74.7
-75	10.3

Note: Above all figures are approximate & may change as per raw material procurement. This figures do not show 100% accuracy.

