

PETRA BUILD CARE PRODUCTS

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Petra FILLIT 500 S: Technical Data Sheet

Petra FILLIT 500 S : Chemical composition (%):

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

Petra FILLIT 500 S : Physical properties:

Particle Size (um) : 5-500 microns
 Particle Density (g/cm³) : 0.6-0.7 g/cc
 Bulk Density (g/cm³) : 0.35-0.45 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/cm² (1500 - 3000 psi)
 Oil Absorption : 16-18g oil/100g
 Flammability : Not combustible
 Melting point : 1500oC approx.
 Solubility Negligible in water

Petra FILLIT 500 S : Particle size distribution

Size in Micron	% (Approx Material)
>500	0.1% MAX.
350-500	4
250-350	6
175-250	8
150-175	13
100-150	24
75-100	15
50-75	19.5
0-50	10.5

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


