



Technical Data Sheet Aquaperl

Updated August 2016

CHEMICAL ANALYSIS	
Silica	74.0%
Aluminium Oxide	14.0%
Ferric Oxide	1.0%
Calcium Oxide	1.3%
Magnesium Oxide	0.3%
Sodium Oxide	3.0%
Potassium Oxide	4.0%
Titanium Oxide	0.1%
Heavy Metals	Trace
Sulphate	Trace
Moisture Content	0.3%
Organic Content	<0.1%
Thermal Conductivity	0.0361 @ 0c

PHYSICAL PROPERTIES	
Specific Gravity (g/ml)	0.055-0.30
Colour	Off white
Floats	As Noted
Fusion Point (Deg.C)	1260~1340
Softening Point (Deg.C)	871~1093

TEST METHODS	
Chemicals by XRF	
Moisture by drying 110 Deg.c for 1.5hrs	
Floats by PI 300-77	
Organic Content - Weight of matter soluble in carbon tetrachloride	
Specific Gravity by water immersion	
PSD by sieve on BS410 sieves / Laser diffraction - Particle size analyzer	
Loose Bulk Density by PI200-77	
Thermal Conductivity per ASTM C518-98	
Compacted Density as per PI 201-77	

GRADE	AQUAPERL+	AQUAPERL
Flow Rate (Sec)	15~25	25~35
Bulk Density (kg/m ³)	110~140	110~145
Wet Cake Density (kg/m ³)	180~250	200~280
Pereability (Darcy)	2.04~3.41	1.46~2.04
Floats <%	< 8	<6
Average Particle Size (um)	85	78
Mediun Particle Size (um)	68	55
90% of particles are less than (um)	166	162

The figures quoted in this data sheet are, to the best of our knowledge, representative of the product. Natural products do vary, so these figures are approximations for guidance only. As conditions of use are beyond our control, no liability is accepted for any loss or damage sustained arising from the use of this information or any products. Because of on-going developments, the product parameters may be changed without notice.

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