



## Technical Data Sheet Perlite Filter Aid

Reviewed: 15 January 2025

CHEMICAL ANALYSIS	
Silica	74%
Aluminium Oxide	14%
Ferric Oxide	1%
Calcium Oxide	1.3%
Magnesium Oxide	0.3%
Sodium Oxide	3%
Potassium Oxide	4%
Titanium Oxide	0.1%
Heavy Metals	Trace
Sulphate	Trace
Moisture Content	0.3%
Organic Content	< 0.1%
Thermal Conductivity	0.0361 % @ 0 °C

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

*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 ongoing developments, the product parameters may be changed without notice.*

GRADE	AP 10	AP 20	AP 40	AP 50	AP 60	AP70	AP 70 S	AP 80	AP 80 S
Flow Rate (Sec)	600-1200	100-230	50-80	40-50	25-35	15-25	13-22	7-15	7-15
Bulk Density (kg/m3)	200-230	125-160	120-150	115-145	115-145	115-140	100-140	100-135	85-115
Wet Cake Density (kg/m3)	300-360	250-336	210-290	200-270	200-280	180-250	150-200	170-230	130-180
Permeability (Darcy)	0.04-0.08	0.22-0.52	0.64-1.02	1.2-1.4	1.46-2.04	2.04-3.41	2.35-3.97	3.45-7.38	3.45-7.38
Floats < %	< 0.5	< 2	< 6	< 6	< 6	< 8	< 8	< 8	< 8
Average Particle Size (um)	25	43	51	55	78	85	90	98	101
Medium Particle Size (um)	10	28	34	40	55	68	67	84	90
90% of particles are less than (um)	40	87	106	110	162	166	197	180	222

TEST METHODS	
Chemicals by XRF	PSD by sieve on BS410 sieves
Moisture by drying 110 deg.c for 1.5hrs	Loose Bulk Density by PI200-77
Organic Content - Weight of matter soluble in carbon tetra chloride	Thermal Conductivity per ASTM C518-98
Specific Gravity by water immersion	Compacted Density as per PI 201-77
Floats by PI300-77	

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