



Perlite Filter Aid

Grade	Flow Rate (Sec)	Bulk Density (kg/m ³)	Wet Cake Density (kg/m ³)	Permeability (Darcy)	Floats %	Average Particle Size (µm)	Median Particle Size (µm)	90% of particles are < (µm)
AP 10	600-1200	200-230	300-360	0.04-0.08	<0.5	25	10	40
AP 20	100-230	125-160	250-336	0.22-0.52	<2	43	28	87
AP 40	50-80	120-150	210-290	0.64-1.02	<6	51	34	106
AP 50	40-50	115-145	200-270	1.20-1.40	<6	55	40	110
AP 60	25-35	115-145	200-280	1.46-2.04	<6	78	55	162
AP 70	15-25	115-140	180-250	2.04-3.41	<8	85	68	166
AP 80	7-15	100-135	170-230	3.45-7.38	<8	98	84	180

Chemical Analysis

Amorphous 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	0.055-0.30 g/ml
Colour	Off White
Floats	As noted
Fusion Point	1260-1340°C
Softening Point	871-1093°C

Test Methods

- Chemicals by XRF
- PSD by sieve on BS410 sieves
- Moisture by drying at 110°C for 1.5 hrs
- Loose Bulk Density by PI200-77
- Organic Content by weight of matter soluble in carbon tetrachloride
- Thermal Conductivity per ASTM C518-98
- Specific Gravity by water immersion
- Compacted Density as per PI 201-77
- Floats by PI300-77

The figures are representative and approximate for guidance only. Natural products may vary. No liability is accepted for loss or damage from use of the information/products. Product parameters may change without notice due to ongoing developments.

