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Technical Data Sheet Expanded Perlite

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
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	P100	P200	P400	P500
Product	Superfine	Fine	Medium	Coarse
Loose Bulk Density (kg/m ³)	65-95	45-75	60-120	60-80
% Retained				
6.70mm				
5.60mm				
4.75mm				25-40%
3.35mm				80-90%
2.36mm			10-40%	
2.00mm				
1.18mm	0-2%	0-40%	40-90%	98-100%
0.60mm	15-25%	40-70%	75-95%	
0.30mm	40-50%	60-90%	85-99%	
0.15mm	60-75%	70-100%	95-100%	
PRIMARY APPLICATIONS	P100	P200	P400	P500
Horticulture			x	x
Construction	x	x	x	x
Cryogenic Insulation	x	x		
Absorbant			x	
Refractory			x	

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