

PRODUCT SPECIFICATION OF FILTRALITE®

Filter media

Filtralite MC 0,8-1,6

Commercial name	FILTRALITE® MC 0,8-1,6 mm
Density	Bulk density: 500 kg/m ³ particle density: 1400 kg/m ³
Type of material	Expanded clay
Appearance	Crushed particles, porous surface structure
Manufactured by	maxit Leca Rælingen, Norway

Size and weight	Value	Deviation	Comments
Effective size	0,95 mm	± 10 %	d ₁₀ EN 12 905
Particle size range	0,8-1,6 mm	< 0,8 mm max. 5% > 1,6 mm max. 5%	EN 12905 EN 12905
Coefficient of uniformity	< 1,5		d ₆₀ / d ₁₀ EN 12905
Bulk density, dry	500 kg/m ³	± 75 kg/m ³	EN 1097-3
Particle density, dry (PDD)	1400 kg/m ³	± 150 kg/m ³	Exclay norm

Other properties	Value	Comments
Floating particles	<2 %	Floating particles after 2 days in water.
Particle porosity	48 %	Porosity internal particle: (1-PDD/2700 kg/m ³)*100 %
Voids	64 %	Approximately value. EN 1097-3
Acid solubility	< 5 %	EN 12902
Water adsorption 1 day	28 %	Approximately value. Exclay Norm
Water adsorption 28 days	34 %	Approximately value. Exclay Norm

Chemical composition, average values:

SiO ₂	Al ₂ O ₃	FeO ₃	K ₂ O	MgO	CaO	Na ₂ O	C _{tot}
62%	18%	7%	4%	3%	3%	2%	0,02%

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