

PRODUCT SPECIFICATION OF FILTRALITE®

Filter media

FILTRALITE® NC 0,8-1,6

Commercial name	FILTRALITE® NC 0,8-1,6 mm
Density	Bulk density: 330 kg/m ³ particle density: 1100 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	± 5%	d ₁₀ , EN 12 905
Particle size range	0,8-1,6 mm	< 0,8 mm max. 5 % > 1,6 mm max. 5 %	EN 12 905 EN 12 905
Coefficient of uniformity	<1,5		d ₆₀ / d ₁₀ , EN 12 905
Bulk density, dry	330 kg/m ³	± 75 kg/m ³	EN 1097-3
Particle density, dry (PDD)	1100 kg/m ³	± 100 kg/m ³	Exclay Norm

Other properties	Value	Comments
Floating particles	< 5 %	Approximately volume floating particles after 2 days in water.
Particle porosity	59 %	Porosity internal particle: (1-PDD/2700 kg/m ³)*100%
Voids	70 %	EN 1097-3
Acid solubility	< 5 %	EN 12902
Water adsorption 28 days	63 %	Approximately value. Exclay Norm
Water adsorption 1 year	65 %	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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