

PRODUCT SPECIFICATION OF FILTRALITE®

Filter media

FILTRALITE® NC 4-10

Commercial name	FILTRALITE® NC 4-10 mm
Density	Bulk density: 250 kg/m ³ particle density: 540 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
Particle size range	4-10 mm	< 4,0 mm max. 10 % > 10,0 mm max. 15 %	
Coefficient of uniformity	< 2,5		d ₆₀ / d ₁₀
Bulk density, dry	250 kg/m ³	± 15 %	EN 1097-3
Particle density, dry (PDD)	540 kg/m ³	± 15 %	EN 1097-6

Other properties	Value	Comments
Floating particles	>90	Approximately volume floating particles after 2 days in water.
Particle porosity	80 %	Porosity internal particle: (1-PDD/2700 kg/m ³)*100
Voids	54 %	EN 1097-3
Water adsorption 24 hours	25 %	Approximately value. maxit method
Water adsorption 28 days	40 %	Approximately value. maxit method
Water adsorption 1 year	60 %	Approximately value. maxit method

Chemical composition, average values:

SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	K ₂ O	MgO	CaO	Na ₂ O	TiO ₂	C _{tot}
62 %	18 %	8 %	4,5 %	3 %	2 %	1,3 %	0,7 %	0,02%

maxit as

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