

PRODUCT SPECIFICATION OF FILTRALITE®
Filter media

FILTRALITE® NR 10-20

Commercial name	FILTRALITE® NR 10-20 mm
Density	Bulk density: 260 kg/m ³ particle density: 450 kg/m ³
Type of material	Expanded clay
Appearance	Round particles, smooth surface with micropores
Manufactured by	maxit Leca Rælingen, Norway

Size and weight	Value	Deviation	Comments
Effective size	11 mm	± 2,0 mm	d ₁₀
Particle size range	10-20 mm	< 10,0 mm max. 15 % > 20,0 mm max. 10 %	
Coefficient of uniformity	< 1,5		d ₆₀ / d ₁₀
Loose bulk density, dry	260 kg/m ³	± 50 kg/m ³	EN 1097-3
Particle density, dry (PDD)	450 kg/m ³	± 100 kg/m ³	Exclay Norm

Other properties	Value	Comments
Floating particles	99 %	Approximately volume floating particles after 2 days in water.
Floating particles	> 90 %	Approximately volume floating particles after 2 year in water
Particle porosity	83 %	Porosity internal particle: (1-PDD/2700 kg/m ³)*100 %
Voids	42 %	EN 1097-3
Water adsorption 1 day	13 %	Approximately value. Exclay Norm
Water adsorption 1 month	26 %	Approximately value. Exclay Norm
Water adsorption 2 years	70 %	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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