

PRODUCT SPECIFICATION OF FILTRALITE®

Filter media

FILTRALITE® NR 4-10

Commercial name	FILTRALITE® NR 4-10 mm
Density	Bulk density: 320 kg/m ³
Type of material	Expanded clay
Appearance	Round particles, porous surface structure
Manufactured by	Weber Leca Rælingen, Norway

Size and weight	Value	Deviation	Comments
Effective size	4,3 mm		d ₁₀ , Approximately value
Particle size range	4-10 mm	< 4 mm max. 10 % > 10 mm max. 10 %	
Coefficient of uniformity	< 2,5		d ₆₀ / d ₁₀
Bulk density, dry	320 kg/m ³	± 75 kg/m ³	EN 1097-3
Particle density, dry (PDD)	600 kg/m ³	± 100 kg/m ³	Exclay Norm

Other properties	Value	Comments
Floating particles, 2 days	>98 %	Approximately volume floating particles after 2 days in water.
Particle porosity	78 %	Approximately value. Porosity internal particle: (1-PDD/2700 kg/m ³)*100 %
Voids	46 %	Approximately value. EN 1097-3
Crushing degree	13 %	
Strength	1,3 MPa	
Water adsorption 1 day	11 %	Approximately value. Exclay Norm
Water adsorption 1 month	27 %	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%	17%	7%	4%	3%	3%	2%	0,02%

Weber

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