

## PRODUCT SPECIFICATION OF FILTRALITE®

### Filter media

### FILTRALITE® NR 4-10

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

Size and weight	Value	Deviation	Comments
Effective size	4,3 mm		d <sub>10</sub> , Approximately value
Particle size range	4-10 mm	< 4 mm max. 10% > 10 mm max. 10%	
Coefficient of uniformity	< 2,5		d <sub>60</sub> / d <sub>10</sub>
Bulk density, dry	320 kg/m <sup>3</sup>	± 75 kg/m <sup>3</sup>	EN 1097-3
Particle density, dry (PDD)	600 kg/m <sup>3</sup>	± 100 kg/m <sup>3</sup>	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 <sup>3</sup> )*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 <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	FeO <sub>3</sub>	K <sub>2</sub> O	MgO	CaO	Na <sub>2</sub> O	C <sub>tot</sub>
62%	17%	7%	4%	3%	3%	2%	0,02%

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