

# PRODUCT SPECIFICATION OF FILTRALITE®

## Filter media

### FILTRALITE® HC 0,8-1,6

Commercial name	FILTRALITE® HC 0,8 – 1,6 mm
Density	Bulk density: 700 kg/m <sup>3</sup> particle density: 1650 kg/m <sup>3</sup>
Type of material	Expanded clay
Appearance	Crushed particles, porous surface structure
Manufactured by	maxit Leca Rølingen, Norway

Size and weight	Value	Deviation	Comments
Effective size	0,9 mm	± 10 %	d <sub>10</sub>
Particle size range	0,8-1,6 mm	< 0,8 mm max. 5% > 1,6 mm max. 5%	EN 12905 EN 12905
Coefficient of uniformity	< 1,5		d <sub>60</sub> / d <sub>10</sub> EN 12905
Bulk density, dry	700 kg/m <sup>3</sup>	± 75 kg/m <sup>3</sup>	EN 1097-3
Particle density, dry (PDD)	1650 kg/m <sup>3</sup>	± 150 kg/m <sup>3</sup>	Exclay norm

Other properties	Value	Comments
Floating particles	< 2 %	Floating particles after 2 days in water.
Particle porosity	40 %	Porosity internal particle: (1-PDD/2700 kg/m <sup>3</sup> )*100 %
Voids	62 %	EN 1097-3
Acid solubility	< 5 %	EN 12902
Water absorption 1 day	20 %	Approximately value. Exclay Norm
Water absorption 28 days	28 %	Approximately value. Exclay Norm
Water absorption 1 year	30 %	Approximately value. Exclay Norm
Water absorption Max	32 %	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%	18%	7%	4%	3%	3%	2%	0,02%

**maxit as**  
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