

Technical data sheet Leca[®] Insuffill

Product feature	Test method/instructions	Declared performance
Grain size	EN 933-1 (June 2010)	10-20 mm
Loose mass density (dry)	EN 1097-3 (June 2010)	245 kg/m ³ (±15%)
Loose mass density (wet*)	EN 1097-3 (June 2010)	425 kg/m ³ (±15%)
Thermal conductivity (dry)	EN 14063-1:2004, annexes A and D	0,095 W/mK
Thermal conductivity (wet*)	EN 14063-1:2004, annexes A and D	0,114 W/mk
<i>*at 30% porous material.</i>		
Crush resistance	EN 13055-1, annex A. July 2010	>0,52 MPa
Compressive strength	EN15732	0,28 MPa
Dynamic influence	EN 15732	< 1.0% (at 0.12 MPa and 2,000,000 cycles)
Friction angle	DS/EN 1997-2 Eurocode 7: Geotechnics	
The characteristic		$\gamma'_{k,tr} = 40^\circ$
The accounting	Consequence class CC2	$\gamma'_d = 39^\circ$
Vandabsorption	EN 13055:2016, annex D	
5 min.		16-30%
60 min.		20-34%
24 timer		24-46%
Capillary rise height	EN 1097-10 (May 2015)	<75 mm
Permeability (air)	Nordtest Method NT BUILD 360.	7,5x10 ⁻² m/s
Permeability (water)		>1x10 ⁻³ m/s
Combustibility	EN 13501-1	Euroclass A1
Side support for pipes	DS/EN 1437:2002	Approved according to DS430
Life	SBi 2013:30	>200 years
Leaching of heavy metals	EN 12457-3	NPD**

**NPD = No Performance Determined