

TECHNICAL DATA SHEET

STIKLOPORAS expanded glass is available in six standard granular sizes from 0.1 - 8 mm.

DESIGNATION	STANDARD	BASIC GRANULAR SIZES					
Granular size in mm	LST EN 933-1	0.1-0.3	0.25-0.5	0.5-1	1-2	2-4	4-8
Bulk density in kg/m ³ (±15%)	LST EN 1097-3	400	340	270	230	200	190
Particle density in Mg/m ³	LST EN 1097-6:2000, C annex	0.57	0.52	0.42	0.37	0.34	0.25
Compressive strength in MPa (±0,5 MPa)	LST EN 13055-1, A annex	4.0	2.5	1.7	2.0	1.4	1.2
Thermal conductivity in W/(m-K)	LST EN 12939:2002	-	0,0767	0,0713	0,0663	0,0639	0.0661
Water absorption % by mass* (±15%)	LST EN 1097-6:2000, C annex	18 <small>(from 15,3 to 20,7)</small>	20 <small>(from 17 to 23)</small>	18 <small>(from 15,3 to 20,7)</small>	18 <small>(from 15,3 to 20,7)</small>	15 <small>(from 12,75 to 17,25)</small>	10 <small>(from 8,5 to 11,5)</small>
Freezing and thawing resistance, MS, % **	LST EN 1367-2:2010	4					
Oversize	LST EN 13055-1	10%					
Undersize	LST EN 13055-1	15%					
pH value		9-11					
Moisture content on delivery		<0.5%					
Softening point		Approx. 700°C / 1300°F					
Acid soluble sulphates		Average value 0,07 %					
Total sulphur		Average value 0,03 %					
Colour		Cream white					

* Absorption % after 24 hours submerged in water

** After 5 cycles

Technical data given after testing basic grain sizes according to LST EN 13055-1:2004/AC: 2004.

Lightweight aggregates- Part 1: Lightweight aggregates for concrete, mortar and grout.

Modified 22/11/2021