



Decl. of Performance 	GSG Glasaufbereitung u. Service GmbH Major-von-Minckwitz-Allee 16, D-01558 Großenhain			 <small>GLASSCHAUM-GRANULAT</small>
	Certification number of monitoring authority MFPA Weimar 0992			
	2008 02/2015			
Product	Technopor Perimeter 50			
Characteristics	Test method	Declared values Limits		typical value
Bulk density	EN 1097-3	150 - 190 kg/m ³		170 kg/m ³
Grain category	EN 933-1	≤ 60 mm		
Grain shape		uneven edges		
Percentage of broken grains	EN 933-5	all grains are broken unevenly		
Grain size distribution	EN 933-1 dry sifting	Mesh width	Throughs	
		56 mm	100	100 %
		45 mm	83 - 95	90 %
		32 mm	40 - 70	50 %
		16 mm	2 - 10	7 %
		8 mm	2 - 8	4 %
		0.125 mm	0.5 - 2	1 %
Water absorption W₂₄	EN 1097-6 AnhangC	≤ 30 %		20 %
Water suction height	EN 1097-10	≤100 mm		75 mm
Water content	EN 1097-5	Rain	5 - 10 %	dry 0.25 %
Pressure resistance at 10% compression	EN 13055-1 AnhangA	> 560 kPa		800 kPa
Water absorption	Z-23.34-1526	≤ 12 vol-%		4 Vol.-%
Climate change frost/thawing	EN 52104-1 EN 13055-2AnhangB	< 1 mass-%		

Manufacturer's information exceeding the obligatory testing

Grain gross density	EN 1097-6	270 - 320 kg/m ³	300 kg/m ³
Grain pressure resistance		2 - 6 N/mm ²	4 N/mm ²
Grain pressure resistance after compression	Compression 1.3 : 1	300 - 500 kPa	380 kPa
Heat conductivity	EN 12667 EN 12939	0.068 – 0.095 W/mK	0.08 W/mK
Volume stability	EN 13055-2	stable	< 0.5 %
Fire behaviour	DIN 4120-A1	non-flammable Class A 1	

Last updated: 01. May 2015

GSG Glasaufbereitung u. Service GmbH works with the DIN EN ISO 9001:2008 certified Quality Management System and uses electricity solely from hydroelectric power production, certified under No. EAA - DE2012000004