

April 2021

Product photos



surface: polished

General information

Slab- / block sizes	500 x 500 x 10 up to 400 mm 1000 x 500 x 15 up to 200 mm
Tolerance value	
Length, width	- 0 / + 2.0 mm
Slab-thickness (blocks of 500 x 500 x 400)	- 0 / + 0.5 mm
Slab-thickness (blocks of 1000 x 500 x 200)	- 0 / + 2.0 mm
Slab-surface	sawn
Machining	according to PORTEC information "Machining Guidelines"

Technical data at 20°C

Property	Standard	Units	Value
Density		g/cm ³	1.8
Shore hardness D	DIN EN ISO 868		85
Flexural strength	DIN EN ISO 178	MPa v N/mm ²	41
E-module	DIN EN ISO 527	MPa v N/mm ²	6100
Impact strength	DIN EN ISO 179-1	kJ/m ²	1-3
Compressive strength	DIN EN ISO 604	MPa v N/mm ²	31
Coefficient of thermal expansion 25-125°C	ISO 11359	ppm/K v 10 ⁻⁶ x K ⁻¹	29
Heat conductivity at 20°C	DIN EN ISO 22007-2	Wm ⁻¹ x K ⁻¹ v W/m x K	11.2
Specific surface resistance	DIN EN 62631-3-2	Ohm	>10'000
Dimensional stability	DIN EN ISO 75-1	°C	240
Mean pore diameter		µm	12
Total porosity		%	21