

April 2021

**Product photos**



surface: polished

**General information**

Slab- / block sizes	500 x 500 x 10 up to 420 mm
Tolerance value	
Length, width	- 0 / + 2.0 mm
Slab-thickness	- 0 / + 0.5 mm
Slab-surface	sawn
Machining	according to PORTEC information "Machining Guidelines"

**Technical data at 20°C**

Property	Standard	Units	Value
Density		g/cm <sup>3</sup>	<b>1.7</b>
Shore hardness D	DIN EN ISO 868		<b>82</b>
Flexural strength	DIN EN ISO 178	MPa v N/mm <sup>2</sup>	<b>40</b>
E-module	DIN EN ISO 527	MPa v N/mm <sup>2</sup>	<b>4900</b>
Impact strength	DIN EN ISO 179-1	kJ/m <sup>2</sup>	<b>1</b>
Compressive strength	DIN EN ISO 604	MPa v N/mm <sup>2</sup>	<b>24</b>
Coefficient of thermal expansion 25-125°C	ISO 11359	ppm/K v 10 <sup>-6</sup> x K <sup>-1</sup>	<b>29</b>
Heat conductivity at 20°C	DIN EN ISO 22007-2	Wm <sup>-1</sup> x K <sup>-1</sup> v W/m x K	<b>25.6</b>
Specific surface resistance	DIN EN 62631-3-2	Ohm	<b>&gt;500</b>
Dimensional stability	DIN EN ISO 75-1	°C	<b>108</b>
Mean pore diameter		µm	<b>89</b>
Total porosity		%	<b>26</b>