

## Constructional data

property name + additional info	value	unit
Thermal conductivity *	0.43 - 0.47	W/(mK)
Calculation value for thermal conductivity	N/A	W/(mK)
Water vapour diffusion resistance factor /DIN V 4108-4/ and /EN ISO 12572/	N/A	-
Swelling (air-dry to water-saturated) /BS EN 12467: 2000/, /ISO 8336:2009/ and /ASTM C1185-08 (2012)/	< or =1.2	mm/m
Sound absorption coefficient	N/A	%
Gross density /BS EN 12467: 2000/, /ISO 8336:2009/ and /ASTM C1185-08 (2012)/	1100 - 1400	kg/m <sup>3</sup>
Compressive strength /BS EN 12467: 2000/, /ISO 8336:2009/ and /ASTM C1185-08 (2012)/	23.64 - 30.85	N/mm <sup>2</sup>
Tensile strength /BS EN 12467: 2000/, /ISO 8336:2009/ and /ASTM C1185-08 (2012)/	6.92 - 14.96	N/mm <sup>2</sup>
Flexural strength /BS EN 12467: 2000/, /ISO 8336:2009/ and /ASTM C1185-08 (2012)/	> or = 5	N/mm <sup>2</sup>
Modulus of elasticity /BS EN 12467: 2000/, /ISO 8336:2009/ and /ASTM C1185-08 (2012)/	> or = 2500	N/mm <sup>2</sup>
Moisture content at 23 °C, 80% humidity /ASTM C1185-08 (2012)/	< or = 15	M.-%
Coefficient of thermal expansion /BS EN 12467: 2000/, /ISO 8336:2009/ and /ASTM C1185-08 (2012)/	8 - 10	10 <sup>(-6)</sup> K <sup>-1</sup>
Chemical resistance	N/A	-

Ageing resistance /BS EN 12467: 2000/	passed	-
Permanent temperature resistance /BS EN 12467: 2000/, /ISO 8336:2009/ and /ASTM C1185-08 (2012)/		°C

Remark: \* Thermal conductivity was measured using a Dilatometer.