

## Technical Data

Mechanical properties	Standard	Unit	WA
Apparent density*	DIN EN ISO 1183	g/cm <sup>3</sup>	~ 1,43
Yield stress (tensile strength)	DIN EN ISO 527	MPa	≥ 55
Elongation at tear	DIN EN ISO 527	%	≥ 15
Flexural strength	DIN EN ISO 178	MPa	≥ 80
Compressive strength	Based on DIN EN ISO 844	MPa	≥ 70
Modulus of elasticity	DIN EN ISO 527-2/1A/50	MPa	≥ 3000
Notched impact strength	DIN EN ISO 179-1ePA	KJ/m <sup>2</sup>	≥ 4
Impact strength	DIN EN ISO 179	KJ/m <sup>2</sup>	
	0 °C		no failure
	-20 °C		-
	-30 °C		-
	-40 °C		-
Ball indentation hardness (358 N/30 s)	DIN EN ISO 2039	MPa	~ 100

Thermal properties	Standard	Unit	WA
Vicat softening temperature	DIN EN ISO 306 (Process B50)	°C	≥ 75
Deflection temperature	DIN EN ISO 75	°C	~ 68
Coefficient of linear thermal expansion from - 30 °C to + 50 °C	DIN EN ISO 11359-2 (Process Ae)	mm/mK	0,08
Thermal conductivity from 0 °C to + 60 °C	DIN EN ISO 22007	W/mK	0,16

## Antimicrobial properties

Bezeichnung	Norm	Einheit	Wert
Staphylococcus Aureus	DIN ISO 22196:2011	%	99,76
Escherichia Coli	DIN ISO 22196:2011	%	99,82

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