

BWF sideLIGHT

If not stated otherwise, the given values result from tests which were realised using standardised specimen at room temperature. The given figures are indications only and therefore not binding. Please note the properties can be significantly affected by the tooling, the processing conditions as well as by the tolerances which are given due to the material.

Mechanical characteristics

	Unit	Standard	Data
Tensile Modulus (1mm/min)	MPa	ISO 527-1/-2	3300
Charpy impact strength (23°C)	kJ/m ²	ISO 179/1eU	19
Yield Stress (50mm/min)	MPa	ISO 527-1/-2	70
Yield strain (50mm/min)	%	ISO 527-1/-2	3,0

Thermal characteristics

	Unit	Standard	Data
Vicat softening temperature (B50)	°C	ISO 306	103
Temperature of deflection under load (1,8MPa)	°C	ISO 75-1/-2	95
Temperature of deflection under load (0,45MPa)	°C	ISO 75-1/-2	100
Coefficient of linear thermal expansion (parallel)	10 ⁻⁴ /K	DIN 53752-A	0,7

Fire characteristics

	Unit	Standard	Data
Fire Rating (depending on the components)		DIN 4102	B2
Glow wire test (3mm)	°C	IEC 60695-2-12	675

Physical characteristics

	Unit	Standard	Data
Water absorption, saturation value (Water at 23°C)	%	ISO 62	2
Water absorption, equilibrium v. (23°C, 50% r. h.)	%	ISO 62	0,6
Density	g/cm ³	ISO 1183	1,18