

# BWF reflectWHITE - Polycarbonate

UV stabilized

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 Stress break (50mm/min)	MPa	ASTM D 638	50
Nominal strain at break (50mm/min)	%	ASTM D 638	74
Flexural Stress (1,3mm/min)	MPa	ASTM D 790	97
Flexural Modulus (1,3mm/min)	MPa	ASTM D 790	2730
Tensile Modulus (1mm/min)	MPa	ISO 527	2500
Charpy impact strength (23°C)	kJ/m <sup>2</sup>	ISO 179/1eA	60
Charpy impact strength (-30°C)	kJ/m <sup>2</sup>	ISO 179/1eA	10

## Thermal characteristics

	Unit	Standard	Data
Vicat softening temperature (B50)	°C	ISO 306	147
Temperature of deflection under load (0,45MPa)	°C	ASTM D 648	141
Temperature of deflection under load (1,8MPa)	°C	ASTM D 648	129

## Physical characteristics

	Unit	Standard	Data
Density	g/cm <sup>3</sup>	ISO 1183	1,34
Water absorption, saturation value (Water at 23°C)	%	ISO 62	0,35
Water absorption, equilibrium v. (23°C, 50% r. h.)	%	ISO 62	0,15

## Fire characteristics

	Unit	Standard	Data
Burning behavior (1,5mm)		UL94	HB
Glow wire test (1mm)	°C	IEC 60695-2-12	850