

Acryl-Satiné 14/6

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
Modulus of elasticity (1mm/min)	MPa	ISO 527-1/-2	3400
Tensile stress at break (50mm/min)	MPa	ISO 527-1/-2	65
Elongation at yield (50mm/min)	%	ISO 527-1/-2	2,5
Charpy impact resistance (23°C)	kJ/m ²	ISO 179/1eU	17

Thermal characteristics

	Unit	Standard	Data
Heat distortion temperature (1,8MPa)	°C	ISO 75-1/-2	97
Heat distortion temperature (0,45MPa)	°C	ISO 75-1/-2	101
Vicat-softening temperature (B50)	°C	ISO 306	105
Linear coefficient of thermal expansion (parallel)	10 ⁻⁴ /K	ISO 11359-1/-2	0,6

Fire characteristics

	Unit	Standard	Data
Fire behavior		DIN 4102	B2
Glow wire ignition temperature	°C	IEC 60695-2-12	700

Physical characteristics

	Unit	Standard	Data
Density	g/cm ³	ISO 1183	1,19

Optical characteristics

	Unit	Standard	Data
Transmission (3mm)	%	ISO 13468-2	81