

TECANAT Glazing

Polycarbonate – thin sheet

Properties and applications

- Impact resistant – virtually unbreakable
- Transparent 90% light transmission
- Flexible, formable, machinable
- Particularly for use in safety glazing and machine guards.

TECHNICAL DATA

Typical properties 3 mm clear sheet

Property	Test method	Units	Value
Density	D 1505	g/cm ³	1,2
Tensile strength	DIN EN ISO 527	MPa	62
Yield strain	DIN EN ISO 527	%	7
Elongation at break	DIN EN ISO 527	%	150
E-modulus of elasticity in tension	DIN EN ISO 527	MPa	2300
Impact strength Izod unnotched	D 256 ISO R180	J/ m	no break
Rockwell Hardness	ISO 868	R Scale	118
Coefficient of linear thermal expansion	DIN 696	K ⁻¹	6.8 x 10 ⁻⁵
Thermal conductivity	C-177	W/m x K	0.2
Fire behaviour	DIN 4102	UL 94	HB
Heat deflection temperature	D-648 Load 1,8 MPa	°C	125
Temperature range		°C	- 40 to + 120

⁽¹⁾ Depends on thickness

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