

TECHNICAL DATASHEET

GENERAL			
Property	Method	Units	POLYCASA® SAN HC
Density	ISO 1183	g/cm ³	1,08
MECHANICAL			
Property	Method	Units	POLYCASA® SAN HC
Tensile modulus	ISO 527-2	MPa	3900
Tensile strength	ISO 527-2	MPa	60
Elongation	ISO 527-2	%	1,8
Izod (notched)	ISO 180	kJ/m ²	1,3
Charpy (unnotched)	ISO 179-1	kJ/m ²	13
OPTICAL			
Property	Method	Units	POLYCASA® SAN HC
Light transmission	DIN 5036-3	%	86
Taber – Abrasion test 100 cycles	TB test: DIN52347 / ASTM D1044 Haze measurement: ISO 14782 / ASTM D1003	%ΔHaze	2 - 4
Cross cut test	ISO 2409	-	0 / 0
Cross cut test after boiling (10d/65°C)	ISO 2409	-	0

TECHNICAL DATASHEET

THERMAL			
Property	Method	Units	POLYCASA® SAN HC
Vicat temperature (B)	ISO 306	°C	106
Thermal conductivity	DIN 52612	W/mK	0,17
Max. service temperature		°C	85
ELEKTRICAL			
Property	Method	Units	POLYCASA® SAN HC
Volume resistivity	IEC 6093	Ω.m	10 ¹⁴
OTHER			
Property	Method	Units	POLYCASA® SAN HC
Fire performance	DIN EN 13501-1	classification	E

Note: Technical data of our products are typical ones; the actually measured values are subject to production variations.

All mentioned data is based on extruded sheets in a thickness of 4 mm.