

Property Values

General properties	UNITS	Method	PLAZCRYL XT R7000
Density	g/cm ³	ISO 1183	1.19

Optical Properties

Total light transmittance	%	DIN 5036 -3	92
Refractive index		ISO 489	1.49
Water absorption	%	ISO 62 (1)	0.3

MECHANICAL PROPERTIES

Tensile Strength	MPa	ISO 527-2	72
Elongation at break	%	ISO 527-2	4
Tensile Modulus	MPa	ISO 527-2	3330
Flexural Strength	MPa	ISO 178	106
Flexural Modulus	MPa	ISO 179	3350
Rockwell hardness	M -scale		95
Impact resistant- Izod notched	kJ/m ²	ISO 180/1A	1.5
Impact resistant - charpy notched	kJ/m ²	ISO 179/1eA	--
Impact resistant- charpy unnotched	kJ/m ²	ISO 179/1fu	15
Flammability	class	UL-94	HB

THERMAL PROPERTIES

Temp. of deflection under load 1.8 Mpa	°C	ISO 75-1	95
Coefficient of linear thermal expansion -parallel	mm/meter 1/°C	ISO 11359	0.065
Vicat softening temperature (50 N)	°C	ISO 306	103
Recommended Continues Service Temperature	°C		70
Recommended Maximum Temperature / short time	°C		91



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Scheda tecnica (conforme a scheda produttore)

Distribuita da SARGOM S.R.L.

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