

PLAZCRYL R7000-K – PRISMATIC K12 - DATA SHEET



**ACRYLIC SHEETS WITH ONE SIDE
EMBOSSED PATTERN OF PRISMATIC
TYPE K-12**

	TEST METHOD	TEST METHOD	SI UNITS	RESULT
General Properties	ASTM	ISO		
Density	D 792	R 1183	g/cm ³	1.19
Total Light Transmission (3mm sheet)	D1003		%	90
Flammability	UL/94		class	HB
Mechanical Properties				
Tensile Strength	D 638	R 527	MPa	68
Module of Elasticity	D 638	R 527	MPa	3562
Elongation at break	D 638	R 527	%	3.5
Flexural Modulus	D 790	R 178	MPa	3420
Flexural Strength	D 790	R 178	MPa	112
Rockwell hardness	D 785		M-scale	95
Izod impact strength notched		R180 a	KJ/m ²	1.5
Thermal Properties				
Temp of deflection under load 1.8 MPa	D 648	R 75	°C	95
Coefficient of linear thermal. Expansion 0-50°C	D 696	parallel	1/°C	6.5E-5
Vicat softening temperature (50°C/h 50N)	D 1525	R 306	°C	103

Mechanical and thermal properties as a full sheet with a reduction in thickness of 0.93 mm Prismatic with 4,7 mm x 4,7 mm depth 1 mm.

*THIS PRODUCT INFORMATION IS, TO THE BEST OF OUR KNOWLEDGE, RELIABLE.
USERS SHOULD TEST THE SUITABILITY OF THESE PRODUCTS FOR THEIR OWN PARTICULAR PURPOSES*