

PLAZCRYL DATA SHEET

	TEST METHOD	TEST METHOD	SI UNITS	RESULT
General Properties	ASTM	ISO		
Density	D 792	R 1183	g/cm ³	1.19
Refractive index	D 542	R 489		1.49
Total Light Transmission	D1003		%	92
Flammability	UL/94		class	HB
Mechanical Properties				
Tensile Strength	D 638	R 527	MPa	72
Module of Elasticity	D 638	R 527	MPa	3562
Elongation at break	D 638	R 527	%	4
Flexural Modulus	D 790	R 178	MPa	3300
Flexural Strength	D 790	R 178	MPa	110
Rockwell hardness	D 785		M-scale	95
Izod impact strength notched		R180 a	KJ/m2	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