

## Properties of SANPLAZ SAN Sheets

Properties	Test	Test Method	SI Units	Value
	Method			
<b>General Properties</b>	ISO	ASTM		
Density	1183	D-792	Kg/cm <sup>3</sup>	1.08
Light Transmission		D-1003	%	89
Refractive index	R489	D542	index	1.57
Water absorption		D570	%	0.2
<b>Mechanical Properties</b>				
Tensile Strength	R527	D-638	MPa	70
Modulus of elasticity	R527	D-638	MPa	3,700
Elongation at break	R527	D638	%	3
Flexural strength	R178	D-790	MPa	97
Rockwell hardness	ISO 2039-2			M83
Impact strength (charpy notched)	R180	D-256	KJ/m <sup>2</sup>	1.7
<b>Thermal Properties</b>				
Vicat softening point	R306B	D-1525B	°C	106
Temperature of deflection under load 1.8 Mpa	ISO 75-1	D648	°C	88
Temperature of deflection under load 0.45 Mpa	ISO 75-1		°C	100
Max. service temperature (short cycle operation)			°C	85
Thermal Conductivity		DIN 52612	W(m °K)	0.17
Coefficient of linear thermal expansion -parallel	ISO 11359	D696	1/°C	7x10 <sup>-5</sup>
<b>Flammability</b>	ISO 1210	UL/94	class	HB (1.6 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.*