

# SANPLAZ

## SAN Sheets

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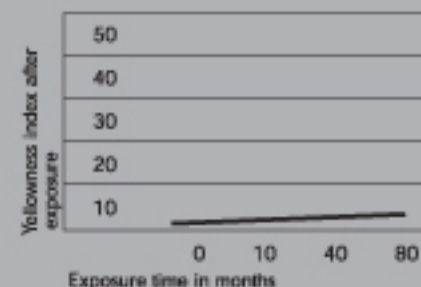
SanPlaz Provides an excellent combination of transparency, chemical resistance, strength, rigidity, versatility of processing and low cost thus making it an excellent choice for many applications.

**SanPlaz-UV** Designed for outdoor use. The UV stabilizers are already blended into the raw material, making the sheets much more resistant to various weather conditions and UV radiation. Therefore they maintain their optical and mechanical properties for much longer.

### Qualities

- ◆ Superior chemical resistance particularly resistant to fats, oils and cleaners
- ◆ Easy to process
- ◆ Dimensional stability
- ◆ High heat resistance
- ◆ Excellent transparency
- ◆ Good impact resistance

Outdoor Weathring of SanPlaz-UV (ASTM D1925)



### Applications

- ◆ Thermoforming
- ◆ Display, exhibition signboards, placards, etc
- ◆ Lighting-light diffusers
- ◆ Shower cabinet partitions
- ◆ Sky lights, domed sky lights
- ◆ **Glazing in Industrial Doors**  
SanPlaz-UV sheets are especially suitable for the windows in garage and industrial doors. The high inner stability of the product allows production of this type of window from thinner materials. In addition it is possible to manufacture double glazed windows without the need for dividers.

### Standard Sales Options

#### Colours

Transparent, Opal, Bronze, Blue, Clear Blue

#### Structure & Size

##### Flat Sheets

Thickness 1.50 - 8.00 mm  
Width 600 - 2140 mm  
Length 500 - 6000 mm

##### Embossed sheets

Cracked Ice  
Prismatic K-12  
SB Pinspot

#### Sizes

Thickness 2.00 - 6.00 mm  
Width 600 - 1500 mm  
Length 500 - 4000 mm



SanPlaz sheets are covered with a protective polyethylene film on both sides. Embossed sheets are protected on one side only.

### Sanplaz Properties

Properties	Units	Test method			Value
		ISO	ASTM	DIN	
<b>Physical properties</b>					
Density	Kg/cm <sup>3</sup>	1183	D-792	53479	1.08
Light transmission	%		D-1003		89
<b>Mechanical Properties</b>					
Ultimate tensile strength	MPa	527-1and 2	D-638	53455	70
Modulus of elasticity	MPa	527-1 and 2	D-638	53455	3700
Nominal strain at break	%	527-1and 2	D-638	53455	2
Flexural strength	MPa	178	D-790	53452	97
Charpy notched impact strength (+23°C)	Kj/m <sup>2</sup>	179/1 eAE		53453	1.7
<b>Thermal Properties</b>					
Vicat softening temperature (50°C/h 50N)	°C	3068	D-1525A	53460	101

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