

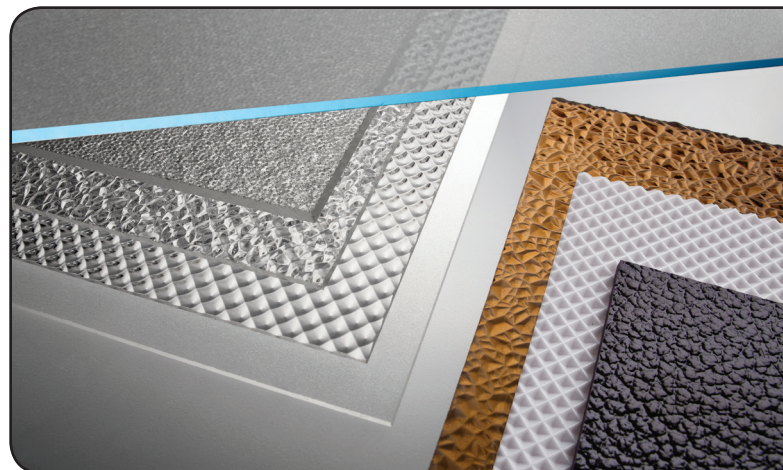
# Plazgal PS

## Transparent Polystyrene Sheets

Plazgal PS are transparent Polystyrene sheets, economical and easy to process, used in many indoor and some outdoor applications.

Applications:

- Shower cabinets
- Room dividers
- Indoor glazing
- Greenhouses
- Display cabinets



## Technical Specifications

General Properties	ASTM	ISO	Units	Results
Density	D 792	R 1183	g/cm <sup>3</sup>	1.05
Refractive index	D 542	R 489		1.59
Total Light Transmission	D1003		%	90
Flammability	UL/94		class	HB
Mechanical Properties				
Tensile Strength	D 638	R 527	MPa	55
Elongation at break	D 638	R 527	%	3
Flexural Modulus	D 790	R 178	MPa	3300
Flexural Strength	D 790	R 178	MPa	80
Rockwell hardness	D 785		R-scale	105
Izod impact strength notched		R 180 a	KJ/m <sup>2</sup>	1.5
Thermal Properties				
Temp of deflection under load	D 648	R 75	°C	76
Coefficient of linear thermal. Expansion 0-50 °C	D 696	parallel	1/°C	8E-5
Vicat softening temperature (50°C/h 50N)	D 1525	R 306	°C	89

This product information is, to the best of our knowledge, reliable. Users should test the suitability of these products for their own particular purposes.

Plazit-Polygal is the leading manufacturer of solid and structured thermoplastic sheets, and is known throughout the world for the outstanding quality of its products. Polygal was the first manufacturer in the world to create structured PC sheets, and over the last 40 years has developed and produced a broad spectrum of these products, which are successfully covering a full array of structures worldwide