

PLAZGAL PS

EXTRUDED POLYSTYRENE (PS) SOLID SHEETS

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Economical and easy to process. Mostly for indoor applications.

Grades: Transparent General Purpose Polystyrene Sheets (GPPS) and non-transparent High Impact Polystyrene sheets (HIPS).

APPLICATIONS



Glazing



Partitions



Display



Shower rooms



Commercial greenhouse

Typical Properties	Method	Units	Plazcryl (R7000)
General			
Density	ISO 1183	g/cm ³	1.05
Flammability	UL94		HB
Mechanical			
Tensile Strength	ISO 527-2	MPa	55
Elongation at break	ISO 527-2	%	3
Flexural Strength	ISO 178	MPa	80
Flexural Modulus	ISO 178	MPa	3300
Rockwell Hardness	M scale		105
Impact Resistance (Izod notched)	ISO 180/1A	kJ/m ²	1.5
Optical			
Refractive Index	ISO 489		1.59
Light Transmission (3mm transparent sheet)	ASTM D1003	%	90
Thermal			
Vicat Softening Temp.(50N)	ISO 306	°C	89

Please note that the technical values given in the table are typical values for guidance and they are subjected to certain variability.

Main advantages

- Lightweight. Lower density than PC and PMMA (Density 1.05 g/m³)
- Excellent transparency
- High gloss, brilliant clear
- UV stabilized
- Hard and stiff
- High impact grades (HIPS) with good impact strength (but not transparent)
- Fully recyclable
- Economic solution
- REACH and RoHS declarations.

DIMENSIONS

Thickness 0.9 – 10.0 mm

Width 1000, 1250, 1500 and 2050 mm

Length 500 – 6000 mm

All sheets are also available cut to size, according to customer requirements.

Colors

Transparent, opal, brown and gray.

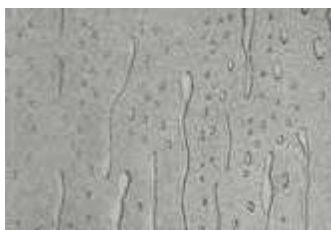
Grades

Plazgal GPPS transparent sheets.

Plazgal HIPS – High impact PS sheets – translucent sheet with a higher impact resistance. Available with mat/mat surface or mat/glossy surface.

EMBOSSING PATTERNS

Plazgal PS sheets are available with different embossing patterns (limited to specific thicknesses and sizes)



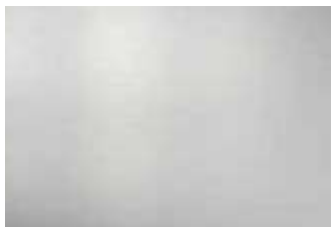
Aqua



Pinspot



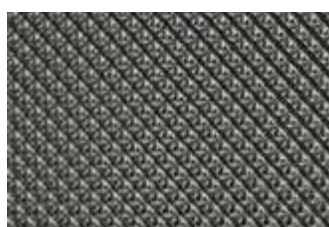
Cracked Ice



Non Reflective



G-Tech



K-12

DISCLAIMER: The data in this advertisement are provided in good faith and constitute general information without commitment and no warranty is given or implied. Our plastics products are a combustible thermoplastic that complies with various and national international standards, as customary in each country. Avoid exposure to excessive heat or aromatic cleaning solvents. Normal fire precautions should be taken to protect against combustion.

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