



PLAZTYRENE

High Impact Polystyrene Sheets

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Plaztyrene is an economical and versatile sheet widely used in the sign and display industry as well as for many other applications. It is easy to process particularly in screenprinting and thermoforming.

Qualities

- ◆ Good dimensional strength
- ◆ Machines easily
- ◆ Cuts easily
- ◆ Good impact strength
- ◆ Good heat resistance

Applications

- ◆ POP Display
- ◆ Signs
- ◆ Name tags
- ◆ Household goods
- ◆ Automotive components
- ◆ Electrical components
- ◆ Toy components
- ◆ Refrigerator interiors

Colours

Black
Green
White
Red
Natural
Yellow
Grey
Blue

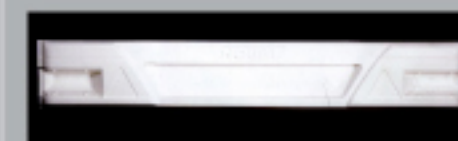
Plaztyrene HIPS sheets are available with mat/mat or mat/glossy surface finishes.



Sizes of Plaztyrene sheets

	Minimum	Maximum
Thickness	0.50 mm	6 mm
Width	650 mm	2050 mm
Length	500 mm	3500 mm

- ◆ For special sizes and tolerance of up to 0.5 mm, sheets can be ordered cut-to-size.
- ◆ Tolerance of dimensions and thickness of all Plaztyrene HIPS sheets are in accordance with ISO standards.
- ◆ Plaztyrene mat/glossy sheets are covered with a protective polyethylene film on one side.



Properties of Plaztyrene (HIPS) Polystyrene Sheet

	Test Method	Test Method	Units	Result
Physical properties				
	ASTM	ISO		
Density	D 792	R 1183	g/cm ³	1.05
Flammability	UL/94		class	HB
Mechanical Properties				
Tensile Strength	D 638	R 527	MPa	21
Elongation at break	D 638	R 527	%	35
Flexural Modulus	D 790	R 178	MPa	1950
Flexural Strength	D 790	R 178	MPa	22
Rockwell hardness	D 785		R-scale	65
Izo impact strength notched		R 180 4a	J/m	100
Thermal Properties				
Temp of deflection under load 1.8 Mpa	D 648	R 75	°C	74
Coefficient of linear thermal. Expansion 0-50°C	D 696	parallel	1/°C	10E-5
Vicat softening temperature 50°C/h 50N)	D 1525	R 306	°C	90

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

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