

## HIGH IMPACT POLYSTYRENE (Hips) Mirrored Sheet Properties

HIPS Mirrored Polystyrene mirror is a mirror faced sheet of high impact polystyrene laminated with metallised polyester foil in silver/gold or brushed (hairline).

The product is intended for indoor use and is suitable for various applications including point-of-sale display, decoration and toy manufacture. Each sheet is protected with a polyethylene masking film that should, if possible be kept in place up to final installation.

PS Sign/Advertising Technical Data	Value FT230	Unit	Standard	Test Conditions
<b>Mechanical Properties</b>				
Tensile Modulus	1650	Mpa	ISO 527	1mm/min
Yield Stress	25	Mpa	ISO 527	50mm/min
Strain at break	50	%	ISO 527	50mm/min
Flexural strength	40	Mpa	ISO 178	2mm/min
Izod impact strength +23°C	10	kJ/kvm	ISO 179	23°C
Ball indentation hardness	80	N/mm <sup>2</sup>	ISO 2039	358 N/30 s
<b>Thermal Properties</b>				
Vicat softening temperature	90	°C	ISO 306	B50/oil
Temperature of deflection under load	82	°C	ISO 75	1,8 Mpa
<b>Physical Properties</b>				
Density	1,04	kg/cm <sup>3</sup>	ISO 1183	-
Burning behaviour UL 94	HB	UL class	UL94	1,4mm

Delivery Programme	
Max width	1250
Tolerance, length and width	+/- 2,0 mm
Min thickness	1,0 mm
Max thickness	4.0 mm
Tolerance, thickness	+/- 0,15 mm
Embossings	Smooth
Foil	Gold, Silver, Hairline other foils are available to order
Colours	Black or White backside

Product Description
High impact Polystyrene for Indoor applications
Applications in the area of advertising and screen printing

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee as conditions and methods of use are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.