

Technical Properties: <i>PLYFORM-HIPS (Gloss/Matt, Gloss, and Matt)</i>			
Construction:		High impact polystyrene mono-layer sheet	
<p><i>PLYFORM-HIPS (GM, G, and M)</i> is a standard grade high impact polystyrene sheet with excellent all round physical properties. <i>PLYFORM-HIPS (GM, G, and M)</i> is available in gloss/matt, gloss, and matt surface finish and in a wide range of colours. Please see other grades in the <i>PLYFORM-HIPS</i> range for clear, super high impact, and recycled variants.</p>			
Edition / Date:		2 / 28-01-2021	
Characteristics	Value*	Unit*	Test method*
PHYSICAL PROPERTIES			
Density	23°C	1.06	g/cm ³ ISO 1183
MECHANICAL PROPERTIES			
Tensile E-Modulus	23°C	1800	MPa ISO 527-2
Flexural strength		44	MPa ISO178
Charpy notched impact strength		10	KJ/m ² ISO 179
THERMAL PROPERTIES			
Vicat softening temperature		89	°C ISO 306
Heat deflection temperature		80	°C ISO 75
BURNING BEHAVIOUR			
Flammability classification		HB	UL 94
MISCELLANEOUS PROPERTIES			
Moulding shrinkage		0.5	% General test method

*tested on raw material (natural colour)

This technical data has been developed by Plysolene Ltd in good faith. This data is non-binding and does not represent a material specification or assurance of specific properties. We reserve the right to change or update these specifications at any time.

Further processing and use of the product can have various impacts on the product. Therefore, Plysolene Ltd does not guarantee or warrant for the fitness or suitability of products for any purpose intended by the purchaser or any third person and shall have no liability whatsoever in this respect. The purchaser has the obligation to test the product and determine themselves if the product is fit for the intended use.