

Technical Properties: <i>PLYFORM-HIPS (SUPER)</i>			
Construction:		High impact polystyrene mono-layer sheet	
<p><i>PLYFORM-HIPS SUPER</i> has a higher impact strength than standard grade <i>PLYFORM-HIPS (GM, G and M)</i> making it suitable for applications where low temperature resistance is important. Available in matt and high gloss, it is easy to thermoform and fabricate. Typical end applications include frozen packaging, printing and point of sale display.</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	1600	MPa ISO 527-2
Flexural strength		40	MPa ISO178
Charpy notched impact strength		14	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)

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Further processing and use of the product can have various impacts on the product. Therefore, Plysolene Ltd does not guarantee or warrant 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.