



plysolene

QUALITY-FLEXIBLE-FAST

Technical Properties: PLYFORM-HIPS (SUPER)				
Construction:	High impact polystyrene mono-layer sheet			
<i>PLYFORM-HIPS SUPER</i> has a higher impact strength than standard grade PLYFORM-HIPS (GM, G and M) 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.				
Edition / Date:	3/08-07-2024			
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
Flexure 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)

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.

Plysolene Ltd 21 Star Industrial Estate, Partridge Green, West Sussex, RH13 8RA

T 01403 713555

E sales@plysolene.co.uk

W www.plysolene.co.uk



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