

## Technical Properties: PLYFORM ABS PMMA EM

**Construction:** Multi-layer thermoplastic sheet made from ABS and PMMA

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Characteristics		Value*	Unit*	Test method*
<b>PHYSICAL PROPERTIES</b>				
Density	23°C	1.11	g/cm <sup>3</sup>	ASTM D 792
<b>MECHANICAL PROPERTIES</b>				
Tensile E-Modulus	23°C	1900-2000	MPa	ASTM D 638
Yield stress	23°C		MPa	ASTM D 638
Elongation at break	23°C		%	ISO 527
IZOD notched impact strength	23°C		J/m	ASTM D 256
	-30°C		J/m	ASTM D 256
<b>THERMAL PROPERTIES</b>				
Vicat B	50°C/h 50N		°C	ISO 306
HDT	1.82 MPa	85 - 90	°C	ASTM D 648
<b>BURNING BEHAVIOUR</b>				
Flammability classification		HB		UL 94
<b>MISCELLANEOUS PROPERTIES</b>				
Moulding shrinkage		0.5– 0.7	%	General test method
Thermoforming temperature range		160 to 210	°C	General test method

\* Tested on raw material (natural colour)

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