

Technical Properties: PLYFORM ABS HHS

Construction: A single or multi-layer **high heat stabilised** grade of ABS
Available in smooth or pinseal emboss and in glossy or matt

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Characteristics	Value*	Unit*	Test method*
PHYSICAL PROPERTIES			
Density	23°C	1.06	g/cm ³ ASTM D 792
MECHANICAL PROPERTIES			
Tensile E-Modulus	23°C	2350.0	MPa ISO 527
Yield stress	23°C	46.0	MPa ISO 527
Strain at yield	23°C	2.5	% ISO 527
IZOD notched impact strength	23°C 4mm	14.0	kJ/m ISO 180/1A
THERMAL PROPERTIES			
Vicat B	50°C/h 50N	113	°C ISO 306
HDT-A	1.82 MPa (unannealed)	96	°C ASTM D 648
	1.82 MPa (annealed)	102	°C ASTM D 648
BURNING BEHAVIOUR			
Flammability classification		HB	UL 94
MISCELLANEOUS PROPERTIES			
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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