

Technical Properties: <i>PLYFORM ABS GP</i>				
Construction:		Multi-layer or mono-layer general purpose grade ABS		
Edition / Date:		4 / 18-01-2021		
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	1999.5	MPa	ASTM D 638
Yield stress	23°C	35.8	MPa	ASTM D 638
Elongation at break	23°C	28	%	ISO 527
IZOD notched impact strength	23°C	261.5	J/m	ASTM D 256
	-30°C	101.4	J/m	ASTM D 256
THERMAL PROPERTIES				
Vicat B	50°C/h 50N	97	°C	ISO 306
HDT-A	1.82 MPa	80	°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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