

### Technical Data Sheet



## Maywogreen ABS BIO (mb)

ABS

#### Typical characteristics

- Good impact strength

#### Typical industries

- Vacuum Forming

#### Sustainability

- Mass-balanced
- Bio-based raw materials reduce the use of fossil raw materials

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g / cm <sup>3</sup>	1,10
<b>Mechanical properties</b>			
Yield stress	DIN EN ISO 527	MPa	50
Elongation at break	DIN EN ISO 527	%	55
Tensile modulus of elasticity	DIN EN ISO 527	MPa	2085
Notched impact strength	DIN EN ISO 179	kJ / m <sup>2</sup>	13
Rockwell hardness	DIN EN ISO 2039-2	scale R	80
<b>Thermal properties</b>			
Melting temperature	ISO 11357-3	°C	> 180°C
Thermal conductivity	DIN 52612-1	W / (m * K)	0,17
Coefficient of linear thermal expansion	DIN 53752	10 <sup>-6</sup> / K	90
Service temperature, long term	Average	°C	85
Service temperature, short term (max.)	Average	°C	100
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	102
<b>Electrical properties</b>			
Surface resistivity	DIN EN 61340	Ω	> 10 <sup>12</sup>
Volume resistivity	DIN EN 61340	Ω	> 10 <sup>12</sup>

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