

## Technical Data Sheet



# Maywogreen ABS BIO (mb)

### Typical characteristics

- Vacuum formable
- High impact strength
- Semimat surface

### Typical industries

- Conveyor Technology & Automation
- Vacuum Forming

### Sustainability

- Mass-balanced
- Renewable 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
Water absorption	DIN EN ISO 62	%	0,3
Flammability (Thickness 1,5mm / 3 mm)	UL 94		HB
<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>			
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	Ohm	> 10 <sup>12</sup>
Volume resistivity	DIN EN 61340	Ohm	> 10 <sup>12</sup>

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