Technical Data Sheet

Maywogreen PS BIO (mb)

PS

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
General properties			
Density	DIN EN ISO 1183-1	g / cm^3	1,06
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	20
Elongation at break	DIN EN ISO 527	%	72
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1730
Notched impact strength	DIN EN ISO 179	kJ / m^2	8
Thermal properties			
Melting temperature	ISO 11357-3	°C	> 170°C
Thermal conductivity	DIN 52612-1	W / (m * K)	0,17
Coefficient of linear thermal expansion	DIN 53752	10^{-6} / K	90
Service temperature, long term	Average	°C	80
Service temperature, short term (max.)	Average	°C	90
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	90
Electrical properties			
Surface resisitivity	DIN EN 61340	Ω	> 10^{12}
Volume resistivity	DIN EN 61340	Ω	> 10^{12}

ri-inquiry@roechling.com • www.roechling.com/industrial/materials

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