

## Technical Data Sheet

# Maywoblend<sup>®</sup> PC/ABS

PC / ABS

### Typical characteristics

- Good impact strength

### Typical industries

- Vacuum Forming

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g / cm <sup>3</sup>	1,15
Water absorption	DIN EN ISO 62	%	0,2
Flammability	UL 94		HB (0,85mm)*
<b>Mechanical properties</b>			
Yield stress	DIN EN ISO 527	MPa	54
Elongation at break	DIN EN ISO 527	%	>50
Tensile modulus of elasticity	DIN EN ISO 527	MPa	2400
Notched impact strength	DIN EN ISO 179	kJ / m <sup>2</sup>	45
<b>Thermal properties</b>			
Melting temperature	ISO 11357-3	°C	>220°C
Thermal conductivity	DIN 52612-1	W / (m * K)	0,2
Coefficient of linear thermal expansion	DIN 53752	10 <sup>-6</sup> / K	85
Service temperature, long term	Average	°C	100
Service temperature, short term (max.)	Average	°C	110
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	120
<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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\*only valid for natural color

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