

Technical Data Sheet

Maywoblend[®] PS/PE

PS

Typical characteristics

- Chemical resistant

Typical industries

- Vacuum Forming

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,03
Water absorption	DIN EN ISO 62	%	0,1
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	16
Elongation at break	DIN EN ISO 527	%	128
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1000
Notched impact strength	DIN EN ISO 179	kJ / m ²	19
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	80
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	77
Electrical properties			
Surface resistivity	DIN EN 61340	Ω	> 10 ¹²
Volume resistivity	DIN EN 61340	Ω	> 10 ¹²

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