

## Technical Data Sheet

# Maywoflamm<sup>®</sup> PC/ABS

PC / ABS

### Typical characteristics

- Vacuum formable
- Rail Vehicle Standard DIN 5510 compliant
- Flame retardant

### Typical industries

- 차량 제조
- Vacuum Forming

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g / cm <sup>3</sup>	1,22
Water absorption	DIN EN ISO 62	%	0,2
Flammability	UL 94		V0 (1,5mm)
<b>Mechanical properties</b>			
Yield stress	DIN EN ISO 527	MPa	65
Elongation at break	DIN EN ISO 527	%	60
Tensile modulus of elasticity	DIN EN ISO 527	MPa	2710
Notched impact strength	DIN EN ISO 179	kJ / m <sup>2</sup>	40
<b>Thermal properties</b>			
Melting temperature	ISO 11357-3	°C	> 220
Thermal conductivity	DIN 52612-1	W / (m * K)	0,2
Coefficient of linear thermal expansion	DIN 53752	10 <sup>-6</sup> / K	68
Service temperature, long term	Average	°C	95
Service temperature, short term (max.)	Average	°C	110
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	113
<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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