

## Technical Data Sheet

# Maywoflamm<sup>®</sup> ABS M

### Typical characteristics

- Mat surface
- Flame retardant

### Typical industries

- Vacuum Forming

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g / cm <sup>3</sup>	1,22
Flammability	UL 94		V0 (2,0mm)/ 5VA (3,0mm)/ 5VA (2,0mm)
<b>Mechanical properties</b>			
Yield stress	DIN EN ISO 527	MPa	25
Elongation at break	DIN EN ISO 527	%	49
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1814
Notched impact strength	DIN EN ISO 179	kJ / m <sup>2</sup>	7
<b>Thermal properties</b>			
Melting temperature	ISO 11357-3	°C	>180
Thermal conductivity	DIN 52612-1	W / (m * K)	0,2
Coefficient of linear thermal expansion	DIN 53752	10 <sup>-6</sup> / K	90
Service temperature, long term	Average	°C	75
Service temperature, short term (max.)	Average	°C	85
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	85
<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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Print: 27/04/2024 • Release: 20/09/2023 • Version: 5.0  
 PIM-Version: 108 • PIM-ID: 709687 • PIM-Code: 108-12-16.10-4-12

