

## Technical Data Sheet

### Maywoflamm<sup>®</sup> ABS 1631

#### Product characteristics

- Flame retardant
- Vacuum formable

#### Product applications

- Industrial applications
- Housing

	Test method	Unit	Guideline Value
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g / cm <sup>3</sup>	1,22
Flammability (Thickness 2,5 mm)	UL 94		5VB
Flammability (Thickness 1,5 mm)	UL 94		V0
<b>Mechanical properties</b>			
Yield stress	DIN EN ISO 527	MPa	41
Elongation at break	DIN EN ISO 527	%	32
Tensile modulus of elasticity	DIN EN ISO 527	MPa	2000
Notched impact strength	DIN EN ISO 179	kJ / m <sup>2</sup>	20
Ball indentation hardness (H358/30)	DIN EN ISO 2039-1	MPa	80
<b>Thermal properties</b>			
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	80
Service temperature, short term (max.)	Average	°C	95
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	96
<b>Electrical properties</b>			
Surface resistivity	DIN EN 61340	Ω	> 10 <sup>12</sup>
Volume resistivity	DIN EN 61340	Ω	> 10 <sup>12</sup>
Dielectric strength	IEC 60243	kV / mm	20

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