

### Technical Data Sheet

## Formaterm<sup>®</sup> PS-HI sign/advertising

PS

#### Typical characteristics

- High impact resistance
- High stiffness
- Good printable

#### Typical industries

- Construction de véhicules
- Industrie du bâtiment et des travaux publics
- Technique publicitaire
- Construction navale

	Test method	Unit	Guideline value
<b>General properties</b>			
Densité	DIN EN ISO 1183-1	g / cm <sup>3</sup>	1,04
Water absorption	DIN EN ISO 62	%	0,2 – 0,3
Flammability (Thickness 3 mm / 6 mm)	UL 94		HB
<b>Mechanical properties</b>			
Yield stress	DIN EN ISO 527	MPa	21
Elongation at break	DIN EN ISO 527	%	60
Tensile modulus of elasticity	DIN EN ISO 527	MPa	1850
Notched impact strength	DIN EN ISO 179	kJ / m <sup>2</sup>	10
Shore hardness	DIN EN ISO 868	scale D	80
<b>Thermal properties</b>			
Température de transition vitreuse	ISO 11357-3	°C	95 – 100
Thermal conductivity	DIN 52612-1	W / (m * K)	0,18
Coefficient of linear thermal expansion	DIN 53752	10 <sup>-6</sup> / K	70
Service temperature, long term	Average	°C	-10 ... 80
Service temperature, short term (max.)	Average	°C	75 – 90
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	99
<b>Electrical properties</b>			
Dielectric constant	IEC 60250		2,50
Dielectric dissipation factor (10 <sup>6</sup> Hz)	IEC 60250		0,0004
Volume resistivity	DIN EN 62631-3-1	Ω * cm	>10 <sup>16</sup>

[ri-inquiry@roechling.com](mailto:ri-inquiry@roechling.com) • [www.roechling.com/industrial/materials](http://www.roechling.com/industrial/materials)

Print: 15/06/2026 • Release: 20/09/2023 • Version: 1.0  
 PIM-ID: 709638 • PIM-Code: 40-14-18.132.14-7.10.9.5-5  
 Company-IDs: 21630

Page 1 / 2 (Dates in DD/MM/YYYY)



	Test method	Unit	Guideline value
Surface resistivity	DIN EN 62631-3-2	$\Omega$	$>10^{15}$
Dielectric strength	IEC 60243	kV / mm	40

The data stated above are average values ascertained by statistical tests on a regular basis. They are in accordance with DIN EN 15860. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.



[ri-inquiry@roechling.com](mailto:ri-inquiry@roechling.com) • [www.roechling.com/industrial/materials](http://www.roechling.com/industrial/materials)

Print: 15/06/2026 • Release: 20/09/2023 • Version: 1.0  
PIM-ID: 709638 • PIM-Code: 40-14-18.132.14-7.10.9.5-5  
Company-IDs: 21630

Page 2 / 2 (Dates in DD/MM/YYYY)

