

## Technical Data Sheet

# Maywosoft® ABS/TPU

ABS / TPU

### Typical characteristics

- Vacuum formable
- Soft-touch effect
- High scratch resistance

### Typical industries

- Construction de véhicules
- Industrie électronique
- Technique d'emboutissage

	Test method	Unit	Guideline value
<b>General properties</b>			
Densité	DIN EN ISO 1183-1	g / cm <sup>3</sup>	1,10
Water absorption	DIN EN ISO 62	%	0,3
Flammability (Thickness 1,5mm / 3 mm)	UL 94		HB
<b>Mechanical properties</b>			
Yield stress	DIN EN ISO 527	MPa	32
Elongation at break	DIN EN ISO 527	%	35
Tensile modulus of elasticity	DIN EN ISO 527	MPa	2125
Notched impact strength	DIN EN ISO 179	kJ / m <sup>2</sup>	20
Rockwell hardness (ABS)	DIN EN ISO 2039-2	scale R	80
Shore hardness (TPU)	DIN EN ISO 868	scale A	83
<b>Thermal properties</b>			
Melting temperature	ISO 11357-3	°C	-
Thermal conductivity	DIN 52612-1	W / (m * K)	0,17
Coefficient of linear thermal expansion	DIN 53752	10 <sup>-6</sup> / K	90
Service temperature, long term	Average	°C	85
Service temperature, short term (max.)	Average	°C	100
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	102
<b>Electrical properties</b>			
Surface resisitivity	DIN EN 61340	Ω	> 10 <sup>12</sup>
Volume resistivity	DIN EN 61340	Ω	> 10 <sup>12</sup>

The information and recommendations contained in this document are based upon data collected by Röchling Industrial Allgäu and believed to be correct. However, no warranty of fitness for use or any other guarantees or warranty of any kind, expressed or implied, is made to the information contained herein. Röchling Industrial Allgäu assumes no responsibility for the results of the use of products and processes described herein.

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

Print: 14/06/2026 • Release: 05/08/2024 • Version: 6.0  
 PIM-ID: 709670 • PIM-Code: 131-12-16.9.23-7.8.4-12  
 Company-IDs: 20070

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





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

Print: 14/06/2026 • Release: 05/08/2024 • Version: 6.0  
PIM-ID: 709670 • PIM-Code: 131-12-16.9.23-7.8.4-12  
Company-IDs: 20070

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

