

## Technical Data Sheet

# Maywosoft® ABS/TPU

### Typical characteristics

- Formable al vacío
- Efecto suave al tacto
- Alta resistencia al rayado

### Typical industries

- Construcción de vehículos
- Electrónica
- Tecnología de embutición profunda

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	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 resistivity	DIN EN 61340		> 10 <sup>12</sup>
Volume resistivity	DIN EN 61340		> 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

### Röchling Industrial Allgäu GmbH

Hinter den Gärten 20 • 87730 Bad Grönenbach/Germany (DE) • Tel. +49 8334 9857-0  
 info@roechling-maywo.de • www.roechling.com/industrial/groenenbach

Print: 27/07/2024 • Release: 28/06/2024 • Version: 4.0  
 PIM-Version: 117 • PIM-ID: 709670 • PIM-Code: 117-8-15.8.16-7.8.4-12



assumes no responsibility for the results of the use of products and processes described herein.



### Röchling Industrial Allgäu GmbH

Hinter den Gärten 20 • 87730 Bad Grönenbach/Germany (DE) • Tel. +49 8334 9857-0  
info@roechling-maywo.de • [www.roechling.com/industrial/groenenbach](http://www.roechling.com/industrial/groenenbach)

Print: 27/07/2024 • Release: 28/06/2024 • Version: 4.0  
PIM-Version: 117 • PIM-ID: 709670 • PIM-Code: 117-8-15.8.16-7.8.4-12

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

