

テクニカルデータシート

Robacer®

PE-UHMW / PE 1000

製品の特徴

- UV耐性
- 優れた滑り特性
- 非常に優れた耐摩耗性
- 低比重
- 高い耐衝撃性
- 高い剛性
- 耐薬品性

製品の用途例

- 製紙

	試験法	単位	値
一般的物性			
密度	DIN EN ISO 1183-1	g / cm ³	1,00
吸水率	DIN EN ISO 62	%	0,01
燃焼性 (厚み 3 mm / 6 mm)	UL 94		HB / HB
分子量		g/mol	9,2 * 10 ⁶
色			black
機械的物性			
引張降伏応力	DIN EN ISO 527	MPa	19
引張破壊呼び歪	DIN EN ISO 527	%	200
引張弾性率	DIN EN ISO 527	MPa	550
ノッチ付き衝撃耐性	DIN EN ISO 179/1eA	kJ / m ²	>80
シヨア硬度	DIN EN ISO 868 / 15 sec	scale D	64
熱的物性			
融点	DIN EN ISO 3146	°C	135
熱伝導率	DIN EN ISO 8302	W / (m * K)	0,41
熱容量	DIN 51005	kJ / (kg * K)	1,84
線膨張係数	DIN 53752	10 ⁻⁶ / K	200
使用温度 (長期)	平均値	°C	-200 ... 80
使用温度 (短期、最大)	平均値	°C	110

ri-inquiry@roechling.com • www.roechling.com/industrial/materials

Print: 01/05/2026 • Release: 20/09/2023

PIM-ID: 709718 • PIM-Code: 50-9-15.223.126.17.18.132.33-8-6

Company-IDs: 21510

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



	試験法	単位	値
電気的物性			
表面固有抵抗	DIN EN 62631-3-2	Ω	>10 ¹⁰

The data given are standard values which are based on our experience & previous technical studies. These values are influenced by the design, processing conditions and environmental influences out of our control. The sustainability of the material for a given application is the responsibility of the user. Typing and printing errors reserved.

Chemical properties: chemically resistant to all aggressive media with the exception of highly oxidising acids. High resistant to corrosion. This material is resistant to all standard chemicals used in paper production, felt/wire cleaning and corrosion inhibition.



ri-inquiry@roechling.com • www.roechling.com/industrial/materials

Print: 01/05/2026 • Release: 20/09/2023
 PIM-ID: 709718 • PIM-Code: 50-9-15.223.126.17.18.132.33-8-6
 Company-IDs: 21510

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

