

## テクニカルデータシート

Robadur<sup>®</sup> BIO

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
- 耐薬品性
- 高い耐衝撃性
- 高い剛性

## 製品の用途例

- 製紙

## Sustainability

- Bio-based raw materials reduce the use of fossil raw materials

	試験法	単位	値
<b>一般的物性</b>			
密度	DIN EN ISO 1183-1	g / cm <sup>3</sup>	0,93
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 <sup>6</sup>
色			black
<b>機械的物性</b>			
引張降伏応力	DIN EN ISO 527	MPa	18
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 <sup>2</sup>	>90
シヨア硬度	DIN EN ISO 868 / 15 sec	scale D	63
<b>熱的物性</b>			
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 <sup>-6</sup> / 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](mailto:ri-inquiry@roechling.com) • [www.roechling.com/industrial/materials](http://www.roechling.com/industrial/materials)

	試験法	単位	値
<b>電氣的物性</b>			
体積固有抵抗	DIN EN 62631-3-1	$\Omega \cdot \text{cm}$	$10^{10}$
表面固有抵抗	DIN EN 62631-3-2	$\Omega$	$10^{10}$
比較トラッキング指数	IEC 60112		600

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.



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