

## テクニカルデータシート

Polystone<sup>®</sup> M PIR blue

PE-UHMW / PE 1000

## 製品の特徴

- 良好な耐摩耗性
- Good cutting resistance
- 優れた耐傷性
- 良好な衝撃強度

## 製品の用途例

- 機械工学

## Sustainability

- Post-Industrial-Recycling material
- Recycling content 90%

	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
<b>機械的物性</b>			
引張降伏応力	DIN EN ISO 527	MPa	>17
降伏伸び	DIN EN ISO 527	%	>18
引張破壊呼び歪	DIN EN ISO 527	%	>235
引張弾性率	DIN EN ISO 527	MPa	>550
ノッチ付き衝撃耐性	DIN EN ISO 11542	kJ / m <sup>2</sup>	>100
ショア硬度	DIN EN ISO 868	scale D	>60
<b>熱的物性</b>			
融点	ISO 11357-3	°C	130 ... 135
熱伝導率	DIN 52612-1	W / (m * K)	0,40
線膨張係数	DIN 53752	10 <sup>-6</sup> / K	150 ... 230
使用温度 (長期)	平均値	°C	-250 ... 80
使用温度 (短期、最大)	平均値	°C	130
<b>電気的物性</b>			
体積固有抵抗	DIN EN 62631-3-1	Ω * cm	>10 <sup>14</sup>
表面固有抵抗	DIN EN 62631-3-2	Ω	>10 <sup>14</sup>

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.

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