

# Technical Data Sheet

## Polyethylene 100

### Advantages

- Lightweight
- Resistance to stain and organic solvents
- Low moisture absorption
- Resistance to electrolytic attack
- Good fatigue and wear resistance
- Excellent stress and crack resistance

	Test Standard	Units	Guide Values
<b>General</b>			
Density	ISO1183	g/cm <sup>3</sup>	0.93
Temperature range	-	°C	-260 to +80
<b>Mechanical Properties</b>			
Yield stress	DIN EN ISO 527	MPa	21
Elongation at yield	DIN EN ISO 527	%	11
Modulus of elasticity in tension	DIN EN ISO	MPa	700
Impact strength	DIN EN ISO 179	kJ/m <sup>2</sup>	without break
Ball indentation hardness	DIN EN ISO 2039-1	MPa	38
<b>Thermal Properties</b>			
Mean coefficient of linear thermal expansion	DIN 53752	K-1	1,8 × 10 <sup>-4</sup>
Vicat B	-	-	82
Fire behaviour	DIN 4102	-	B2 normal flammability
<b>Electrical Properties</b>			
Dielectric strength	DIN IEC 60243-1	kV/mm	44
Surface resistivity	DIN IEC 60093	Ohm	>10 <sup>14</sup>

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