

## DATASHEET – PE1000

UHMWPE, Hostalen™, Vestolen®, Multilene®

### KEY POINTS

- Low density
- Good resistance to chemicals
- Good resistance to low temperatures
- Self-lubricant
- High elongation at break
- High ductility and impact strength

### PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUE	UNIT
Tensile strength (23°C)	ISO 527-1/-2	19-23	MPa
Elongation at break	ISO 527-1/-2	50	%
Hardness – Shore D	ISO 868	65	Scale D
Hardness – Rockwell M	ISO 2039-2	35	MPa
Impact strength, notched izod	ISO 179-1/1eA	115	kJ/m <sup>2</sup>
Melt temp	ISO 11357-1/-3	130	°C
Service temp. range	/	-200 up to 85	°C
Specific density	ISO 1183-1	0.93	g/cm <sup>3</sup>
Water absorption (24hr)	ISO 62	0.1	%

### APPLICATIONS

- Chain guides
- Slide profiles
- Food industry
- Food industry
- ...



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The data above are provided purely for information and are presented as a guide to choose from our range of materials. These values are within the normal tolerance range of product properties and do not represent guaranteed property values. The actual values of the properties of a particular product may differ from the indicated values. Since the properties also depend on the dimension of the finished product.

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