

DATASHEET – PE500

HMWPE, Hostalen™, Vestolen®, Multilene®

KEY POINTS

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

PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUE	UNIT
Tensile strength (23°C)	ISO 527-1/-2	30	MPa
Elongation at break	ISO 527-1/-2	500	%
Hardness – Shore D	ISO 868	63	Scale D
Hardness – Rockwell M	ISO 2039-2	50	MPa
Impact strength, notched izod	ISO 179-1/1eA	No break	kJ/m ²
Melt temp	ISO 11357-1/-3	130	°C
Service temp. range	/	-60 up to 80	°C
Specific density	ISO 1183-1	0.96	g/cm ³
Water absorption (24hr)	ISO 62	0.02	%

APPLICATIONS

- Pump and valve parts
- Protective plates
- Slide profiles
- Food industry
- Chemical containers
- ...



Industrieterrein Zwaarveld 65
B-9220 Hamme - Belgium


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.

**PRECISION MACHINED
COMPONENTS**

Made out of **high performance plastics**

 <https://www.innoplast.be/>

 info@innoplast.be

 +32 (0) 52 477 624