



Petro Liner HD 8080® (HMW-HDPE) ROD AND SHEET

Chemical designation
POLIPOLEN®HMW-HDPE (High Density Polyethylene)

Density
0,96 g/cm³

Features

- » good weather resistance
- » good impact resistance
- » 30 Years UV Resistance Guaranteed
- » good chemical resistance
- » low frictional force

Applications

- » Marine Piling Jackets
- » automotive applications
- » industrial applications
- » home applications
- » customary applications

Mechanical Properties	Units	Values	Test Methods
Tensile Strength (Yield)	MPa	>27	D638
Tensile Strength (Break)	MPa	18	D638
Tensile elongation	%	500	D638
Izod impact	J/m	-	D256
Flexural modulus	MPa	1050	D790

Thermal Properties	Units	Values	Test Methods
Vicat softening temperature	°C	127	D1525

Other properties	Units	Values	Test Methods
Corrosion (sand slurry test)	%	<650	-
Coefficient of friction	-	0,15 - 0,25	-
Water absorption	%	<0,02	ISO 62
Hardness Shore	Scala D	60-70	D2240

¹ The figures given for these properties are the most part derived from raw material supplier data and other publications

** Specified values are average values of tests processed in Polimersan laboratories. These are for information and not product guarantee values.

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