



## MAIN FEATURES

- Easily welded
- Good sliding properties
- Very low moisture absorption
- Good cold impact strength of resistance

COLOUR | Black

## PROPERTIES

	Typical value	Units	Test method
DENSITY	0.95	g/cm <sup>3</sup>	
WATER ABSORPTION	<0.05	%	DIN EN ISO 62
FLAMMABILITY (UL94)	HB		DIN IEC 60695-11-10

## MECHANICAL PROPERTIES

	Typical value	Units	Test method
MODULUS OF ELASTICITY (TENSILE TEST)	1000	MPa	DIN EN ISO 527-2
TENSILE STRENGTH	22	MPa	DIN EN ISO 527-2
TENSILE STRENGTH AT YIELD	25	MPa	DIN EN ISO 527-2
ELONGATION AT YIELD	9	%	DIN EN ISO 527-2
ELONGATION AT BREAK	>50	%	DIN EN ISO 527-2
MODULUS OF ELASTICITY (FLEXURAL TEST)	1000-1400	MPa	DIN EN ISO 178
COMPRESSION MODULUS	2300	MPa	EN ISO 604
IMPACT STRENGTH	Not broken	kJ/m <sup>2</sup>	DIN EN ISO 179-1eU
NOTCHED IMPACT STRENGTH	12	kJ/m <sup>2</sup>	DIN EN ISO 179-1eA
SHORE HARDNESS D	63		DIN EN ISO 868
WEAR RESISTANCE SAND-SLURRY	500		ISO 15527

## THERMAL PROPERTIES

	Typical value	Units	Test method
MELTING TEMPERATURE	130	°C	DIN 53765
SERVICE TEMPERATURE (LONG TERM)	-50...80	°C	
SERVICE TEMPERATURE (SHORT TERM)	120	°C	
HEAT DEFLECTION TEMPERATURE	70-85	°C	DIN EN ISO 306 VICAT B



## ELECTRICAL PROPERTIES

	Typical value	Units	Test method
SPECIFIC SURFACE RESISTANCE	$10^{13}$	$\Omega$	DIN IEC 60093
SPECIFIC VOLUME RESISTANCE	$10^{15}$	$\Omega \cdot \text{cm}$	DIN IEC 60093

## AVAILABLE

### SEMI-FINISHED PRODUCTS

SHEETING	2 to 20 mm*
ROD	$\varnothing$ 15 to $\varnothing$ 300 mm*
TUBE	At request

\* Other dimensions can be delivered at request.

*We produce customized finished HDPE products according to your specifications.*

*This can be based on a drawing or model.*

*Any questions about products or make an enquiry? Simply call +31 180 46 34 71 or send us an e-mail at [sales@ridderflex.nl](mailto:sales@ridderflex.nl)*