



## MAIN FEATURES

- Very good mechanical resistance
- Inherent flame retardant
- Good slide and wear properties
- Very good electrical insulation
- Continuous service temperature up to 150°C
- Very good UV and weather resistance

COLOUR | Natural

## PROPERTIES

	Typical value	Units	Test method
DENSITY	1.78	g/cm <sup>3</sup>	
WATER ABSORPTION	<0.01	%	DIN EN ISO 62
FLAMMABILITY (UL94)	V0		DIN IEC 60695-11-10

## MECHANICAL PROPERTIES

	Typical value	Units	Test method
MODULUS OF ELASTICITY (TENSILE TEST)	2200	Mpa	DIN EN ISO 527-2
TENSILE STRENGTH	62	Mpa	DIN EN ISO 527-2
TENSILE STRENGTH AT YIELD	62	Mpa	DIN EN ISO 527-2
ELONGATION AT YIELD	8	%	DIN EN ISO 527-2
ELONGATION AT BREAK	17	%	DIN EN ISO 527-2
FLEXURAL STRENGTH	77	MPa	DIN EN ISO 178
MODULUS OF ELASTICITY (FLEXURAL TEST)	2100	Mpa	DIN EN ISO 178
COMPRESSION STRENGTH	16/28	MPa	EN ISO 604
COMPRESSION MODULUS	1900	Mpa	EN ISO 604
IMPACT STRENGTH	150	kJ/m <sup>2</sup>	DIN EN ISO 179-1eU
BALL INDENTATION HARDNESS	129	Mpa	ISO 2039-1

## THERMAL PROPERTIES

	Typical value	Units	Test method
GLASS TRANSITION TEMPERATURE	-40	°C	DIN 53765
MELTING TEMPERATURE	170	°C	DIN 53765
SERVICE TEMPERATURE (LONG TERM)	150	°C	
SERVICE TEMPERATURE (SHORT TERM)	150	°C	



## ELECTRICAL PROPERTIES

	Typical value	Units	Test method
SPECIFIC SURFACE RESISTANCE	$10^{14}$	$\Omega$	DIN IEC 60093

## AVAILABLE

### SEMI-FINISHED PRODUCTS

SHEETING	10 to 100 mm*
ROD	$\varnothing$ 4 to $\varnothing$ 280 mm*

\* Other dimensions can be delivered at request.

*We produce customized finished PVDF 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)*