PVDF





Very good electrical insulation

Continuous service temperature up to 150°C

Very good UV and weather resistance



MAIN FEATURES

Very good mechanical resistance •

Ridder flex[®]

- Inherent flame retardant •
- Good slide and wear properties

COLOUR Natural

PROPERTIES

	Typical value	Units	Test method
DENSITY	1.78	g/cm ³	
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	Мра	DIN EN ISO 527-2
TENSILE STRENGTH	62	Мра	DIN EN ISO 527-2
TENSILE STRENGTH AT YIELD	62	Мра	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	Мра	DIN EN ISO 178
COMPRESSION STRENGTH	16/28	MPa	EN ISO 604
COMPRESSION MODULUS	1900	Мра	EN ISO 604
IMPACT STRENGTH	150	kJ/m²	DIN EN ISO 179-1eU
BALL INDENTATION HARDNESS	129	Мра	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	

QUESTIONS? Any questions about products or make an enquiry? Simply call us or send us an e-mail.

+31 (0) 180 46 34 71

sales@ridderflex.nl

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ELECTRICAL PROPERTIES

	Typical value	Units	Test method
SPECIFIC SURFACE RESISTANCE	10 ¹⁴	Ω	DIN IEC 60093

AVAILABLE

SEMI-FINISHED PRODUCTS

SHEETING	10 to 100 mm*
ROD	Ø 4 to Ø 280 mm*
* Other dimensions and he delivered at year	

* 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.

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