



MAIN FEATURES

- Good heat deflection temperature
- Inherent flame retardant
- Very good chemical resistance
- Resistance against high energy radiation
- High creep resistance
- Hydrolysis and superheated steam resistant

COLOUR Beige

PROPERTIES

	Typical value	Units	Test method
DENSITY	1.31	g/cm ³	
WATER ABSORPTION	0.02/0.03	%	DIN EN ISO 62
FLAMMABILITY (UL94)	V0		DIN IEC 60695-11-10

MECHANICAL PROPERTIES

	Typical value	Units	Test method
MODULUS OF ELASTICITY	4200	Mpa	DIN EN ISO 527-2
TENSILE STRENGTH	116	Mpa	DIN EN ISO 527-2
TENSILE STRENGTH AT YIELD	116	Mpa	DIN EN ISO 527-2
ELONGATION AT YIELD	5	%	DIN EN ISO 527-2
ELONGATION AT BREAK	15	%	DIN EN ISO 527-2
FLEXURAL STRENGTH	175	MPa	DIN EN ISO 178
MODULUS OF ELASTICITY	4200	Mpa	DIN EN ISO 178
COMPRESSION STRENGTH	23/43	MPa	EN ISO 604
COMPRESSION MODULUS	3400	Mpa	EN ISO 604
IMPACT STRENGTH	Not broken	kJ/m ²	DIN EN ISO 179-1eU
NOTCHED IMPACT STRENGTH	4	kJ/m ²	DIN EN ISO 179-1eA

THERMAL PROPERTIES

	Typical value	Units	Test method
GLASS TRANSITION TEMPERATURE	150	°C	DIN 53765
MELTING TEMPERATURE	341	°C	DIN 53765
SERVICE TEMPERATURE (LONG TERM)	260	°C	
SERVICE TEMPERATURE (SHORT TERM)	300	°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



ELECTRICAL PROPERTIES

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

AVAILABLE

SEMI-FINISHED PRODUCTS

SHEETING	5 to 150 mm*
ROD	\varnothing 5 to \varnothing 200 mm*
TUBE	At request

* Other dimensions can be delivered at request.

We produce customized finished PEEK products according to your specifications.

This can be based on a drawing or model.

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