



MAIN FEATURES

- Good slide and wear properties
- Good chemical resistance
- High toughness
- Good machinability
- Very high strength
- Good weldable and bondable

COLOUR Natural

PROPERTIES

	Typical value	Units	Test method
DENSITY	1.36	g/cm ³	
WATER ABSORPTION 24H/96H	0.02/0.03	%	DIN EN ISO 62
FLAMMABILITY (UL94)	HB		DIN IEC 60695-11-10

MECHANICAL PROPERTIES

	Typical value	Units	Test method
MODULUS OF ELASTICITY	3100	Mpa	DIN EN ISO 527-2
TENSILE STRENGTH	79	Mpa	DIN EN ISO 527-2
TENSILE STRENGTH AT YIELD	79	Mpa	DIN EN ISO 527-2
ELONGATION AT YIELD	5	%	DIN EN ISO 527-2
ELONGATION AT BREAK	10	%	DIN EN ISO 527-2
FLEXURAL STRENGTH	121	MPa	DIN EN ISO 178
MODULUS OF ELASTICITY	3200	Mpa	DIN EN ISO 178
COMPRESSION STRENGTH 1%/2%	19/35	MPa	EN ISO 604
COMPRESSION MODULUS	2700	Mpa	EN ISO 604
IMPACT STRENGTH	81	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	81	°C	DIN 53765
MELTING TEMPERATURE	244	°C	DIN 53765
SERVICE TEMPERATURE (LONG TERM)	110	°C	
SERVICE TEMPERATURE (SHORT TERM)	170	°C	



ELECTRICAL PROPERTIES

	Typical value	Units	Test method
SPECIFIC SURFACE RESISTANCE	10^{14}	Ω	DIM IEC 60093
SPECIFIC VOLUME RESISTANCE	10^{14}	$\Omega \cdot \text{cm}$	DIM IEC 60093

AVAILABLE

SEMI-FINISHED PRODUCTS

SHEETING	2 to 100 mm*
ROD	\varnothing 10 to \varnothing 200 mm*
TUBE	At request

* Other dimensions can be delivered at request.

We produce customized finished PETP 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