

### MAIN FEATURES

- Good chemical resistance
- Low moisture absorption
- Good slide and wear properties
- Biocompatible

COLOUR Pebble grey (RAL7032)

### PROPERTIES

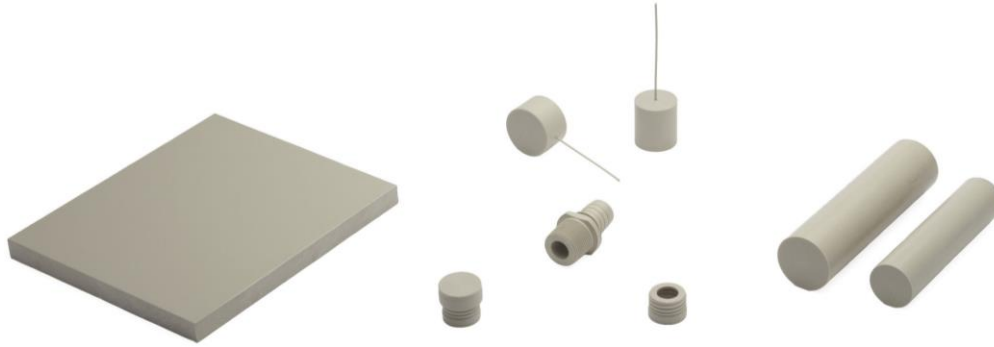
	Typical value	Units	Test method
DENSITY	0.92	g/cm <sup>3</sup>	
WATER ABSORPTION 24H/96H	0.01/0.02	%	DIN EN ISO 62
FLAMMABILITY (UL94)	HB		DIN IEC 60695-11-10

### MECHANICAL PROPERTIES

	Typical value	Units	Test method
MODULUS OF ELASTICITY (TENSILE TEST)	2000	MPa	DIN EN ISO 527-2
TENSILE STRENGTH	37	MPa	DIN EN ISO 527-2
TENSILE STRENGTH AT YIELD	37	MPa	DIN EN ISO 527-2
ELONGATION AT YIELD	5	%	DIN EN ISO 527-2
ELONGATION AT BREAK	34	%	DIN EN ISO 527-2
FLEXURAL STRENGTH	56	MPa	DIN EN ISO 178
MODULUS OF ELASTICITY (FLEXURAL TEST)	2000	MPa	DIN EN ISO 178
COMPRESSION STRENGTH 1%/2%	16/26	MPa	EN ISO 604
COMPRESSION MODULUS	1600	MPa	EN ISO 604
IMPACT STRENGTH	160	kJ/m <sup>2</sup>	DIN EN ISO 179-1eU
NOTCHED IMPACT STRENGTH	5	kJ/m <sup>2</sup>	DIN EN ISO 179-1eA

### THERMAL PROPERTIES

	Typical value	Units	Test method
GLASS TRANSITION TEMPERATURE	-10	°C	DIN 53765
MELTING TEMPERATURE	161	°C	DIN 53765
SERVICE TEMPERATURE (LONG TERM)	100	°C	
SERVICE TEMPERATURE (SHORT TERM)	140	°C	



### ELECTRICAL PROPERTIES

	Typical value	Units	Test method
SPECIFIC SURFACE RESISTANCE	$10^{12}$	$\Omega$	DIN IEC 60093
SPECIFIC VOLUME RESISTANCE	$10^{14}$	$\Omega \cdot \text{cm}$	DIN IEC 60093

### AVAILABLE

#### SEMI-FINISHED PRODUCTS

SHEETING	1 to 40 mm*
ROD	$\varnothing$ 20 to $\varnothing$ 300 mm*
TUBE	At request

\* Other dimensions can be delivered at request.

*We produce customized finished polypropylene 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)*