



### MAIN FEATURES

- High chemical resistance
- Low friction
- High resistance to weathering
- Excellent thermal stability

COLOUR Off-white

### PROPERTIES

	Typical value	Units	Test method
DENSITY	2.15 – 2.22	g/cm <sup>3</sup>	ASTM D1457 DIN 53479
WATER ABSORPTION (MAX.)	0.015	%	ASTM D-570
HARDNESS	62-64	Shore D	ASTM D2240

### MECHANICAL PROPERTIES

	Typical value	Units	Test method
TENSILE STRENGTH	11 - 24	N/mm <sup>2</sup>	ASTM D1457 DIN 53455
ELONGATION AT BREAK	200 - 340	%	ASTM D1457 DIN 53455
IMPACT STRENGTH	1.2 - 1.3	J/cm	ASTM D256
COMPRESSIVE STRENGTH WITH 1% DEFORMATION	5.8	N/mm <sup>2</sup>	ASTM D695
DEFORMATION UNDER LOAD AT AMBIENT TEMPERATURE AFTER 24H AT 13,7 N/MM <sup>2</sup>	8.3	%	ASTM D621
PERMANENT DEFORMATION (AS ABOVE AND AFTER 24H OF REST)	4.1	%	ASTM D621
DEFORMATION UNDER LOAD AT 260°C AFTER 24H AT 4,1 N/MM <sup>2</sup>	16.6	%	ASTM D621
PERMANENT DEFORMATION (AS ABOVE AND AFTER 24H OF REST)	11.9	%	ASTM D621
DYNAMIC FRICTION COEFFICIENT	0.11	-	
FACTOR OF WEAR "K"	16.5	$\frac{\text{cm}^3 \times \text{min}}{\text{kg} \times \text{m} \times \text{h}} \times 10^{-8}$	
DIELECTRIC STRENGTH	15-16	Kv/mm	ASTM D-149



### THERMAL PROPERTIES

	Typical value	Units	Test method
COEFFICIENT OF LINEAR THERMAL EXPANSION (25-95°C)	14.4	$\frac{10^{-5}}{K}$	ASTM D696
CONTINUOUS SERVICE TEMPERATURE	+260	°C	ASTM D648

### AVAILABLE

#### SEMI-FINISHED PRODUCTS

SHEETING	2 to 10 mm*
ROD	Ø 20 to Ø 80 mm*
TUBE	At request

\* Other dimensions can be delivered at request.

*We produce customized finished PTFE 15% glass 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)*