



### MAIN FEATURES

- Good slide and wear properties
- Resistant to many oils, greases and fuels
- High toughness
- Good damping
- Sensitive to stress cracking
- High strength

COLOUR	Black
FILLER	Molybdenum disulfide

### PROPERTIES

	Typical value	Units	Test method
DENSITY	1.15	g/cm <sup>3</sup>	
WATER ABSORPTION	0.2/0.5	%	DIN EN ISO 62
FLAMMABILITY (UL94)	HB		DIN IEC 60695-11-10

### MECHANICAL PROPERTIES

	Typical value	Units	Test method
MODULUS OF ELASTICITY	3200	Mpa	DIN EN ISO 527-2
TENSILE STRENGTH	82	Mpa	DIN EN ISO 527-2
TENSILE STRENGTH AT YIELD	80	Mpa	DIN EN ISO 527-2
ELONGATION AT YIELD	4	%	DIN EN ISO 527-2
ELONGATION AT BREAK	55	%	DIN EN ISO 527-2
FLEXURAL STRENGTH	102	MPa	DIN EN ISO 178
MODULUS OF ELASTICITY	3000	Mpa	DIN EN ISO 178
COMPRESSION STRENGTH	22/38	MPa	EN ISO 604
COMPRESSION MODULUS	2800	Mpa	EN ISO 604
IMPACT STRENGTH	Not broken	kJ/m <sup>2</sup>	DIN EN ISO 179-1eU
NOTCHED IMPACT STRENGTH	4	kJ/m <sup>2</sup>	DIN EN ISO 179-1eA



### THERMAL PROPERTIES

	Typical value	Units	Test method
GLASS TRANSITION TEMPERATURE	43	°C	DIN 53765
MELTING TEMPERATURE	217	°C	DIN 53765
SERVICE TEMPERATURE (LONG TERM)	100	°C	
SERVICE TEMPERATURE (SHORT TERM)	170	°C	

### ELECTRICAL PROPERTIES

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

### AVAILABLE

#### SEMI-FINISHED PRODUCTS

SHEETING	8 to 100 mm*
ROD	$\varnothing$ 50 to $\varnothing$ 350 mm*
TUBE	At request

\* Other dimensions can be delivered at request.

*We produce customized finished cast polyamide 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)*