



MAIN FEATURES

- Good slide and wear properties
- Resistant to many oils, greases and fuels
- High toughness
- Improved surface hardness
- High strength

COLOUR Black

PROPERTIES

	Typical value	Units	Test method
DENSITY	1.14	g/cm ³	
WATER ABSORPTION	6	%	DIN EN ISO 62
FLAMMABILITY (UL94)	HB		DIN IEC 60695-11-10

MECHANICAL PROPERTIES

	Typical value	Units	Test method
MODULUS OF ELASTICITY	3300	Mpa	DIN EN ISO 527-2
TENSILE STRENGTH	84	Mpa	DIN EN ISO 527-2
TENSILE STRENGTH AT YIELD	82	Mpa	DIN EN ISO 527-2
ELONGATION AT YIELD	5	%	DIN EN ISO 527-2
ELONGATION AT BREAK	37	%	DIN EN ISO 527-2
FLEXURAL STRENGTH	110	MPa	DIN EN ISO 178
MODULUS OF ELASTICITY	3100	Mpa	DIN EN ISO 178
COMPRESSION STRENGTH	17/32	MPa	EN ISO 604
COMPRESSION MODULUS	2900	Mpa	EN ISO 604
IMPACT STRENGTH	Not broken	kJ/m ²	DIN EN ISO 179-1eU
NOTCHED IMPACT STRENGTH	5	kJ/m ²	DIN EN ISO 179-1eA

THERMAL PROPERTIES

	Typical value	Units	Test method
GLASS TRANSITION TEMPERATURE	51	°C	DIN 53765
MELTING TEMPERATURE	220	°C	DIN 53765
SERVICE TEMPERATURE (LONG TERM)	100	°C	
SERVICE TEMPERATURE (SHORT TERM)	160	°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	5 to 50 mm*
ROD	\varnothing 4 to \varnothing 150 mm*
TUBE	At request

* Other dimensions can be delivered at request.

We produce customized finished polyamide 6 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