



SERVICES

LEARN MORE ABOUT
OUR SERVICES **FOR YOU**



UNSERE PRODUKTE



Semi-finished Products
Platte, Stäbe, Rohre



3D Druck
Standard- und kundenspezifische Teile



3D Druck
Filamente / Tribofilamente



Tribo-Coating
Beschichtungen und beschichtete Teile



Granulate
Standard- und Spezialmischungen

Pumpen & Schiffbau
Gleitlager



Laborprüfungen
Forschung, Entwicklung und Analyse

Consulting
We deliver solutions



Fertigteile
Standard- und kundenspezifische Teile



OUT SERVICES AND SUPPORT

POLYMER TESTING, EVOLUTION, DAMAGE ANALYSIS



- Polymer testing, failure analysis
- Compound development

POLYMER PARTS DESIGN



- Consulting, calculation
- Design

ONLINE SERVICE



- Calculation-tools
- Online Warehouse
- Online Shop



CONSULTING

ASSISTANCE WITH PROBLEM ANALYSIS

- personal consulting on site
- telephone support
- Analysis by questionnaires

CORE AREAS

- Materials Consulting
 - Plastics and high-performance plastics
- Component advice
 - Plain bearings, also hydrodynamic
 - Spindle nuts
 - Track rollers
 - Gears
 - Sliding and wearing elements



Consulting



CONSULTING



By phone

Available during our business hours



In written form

We will process your request as soon as possible.



In person

We will be happy to advise you on site.



Trainings

For the optimal know-how

Professional consulting is a matter of course for us

Support from problem analysis to solution

Delivery of new problem-free components



Consulting



We are here for you in different languages!



QUESTIONNAIRES TO FIND THE OPTIMAL MATERIAL

With the help of our questionnaires you can also give us your application data in advance.

We then select the suitable plastic for you and support you in the realization of your project.

The image shows three overlapping questionnaire forms from Wolf Kunststoff-Gleitlager GmbH. The forms are titled 'Fragebogen Spindelmutter' and '5. Abmessungen der Spindel' and '5. Abmessungen des Zahnrades'. They contain various input fields for company information, application details, and technical specifications. The forms also include technical diagrams of spindle nuts and gears, and checkboxes for material selection and mounting options. The forms are numbered 'Seite 1 von 6' and 'Seite 2 von 6'.



Consulting



CALCULATION & DESIGN

Calculation (static, dynamic, thermal, tribological)

Material selection

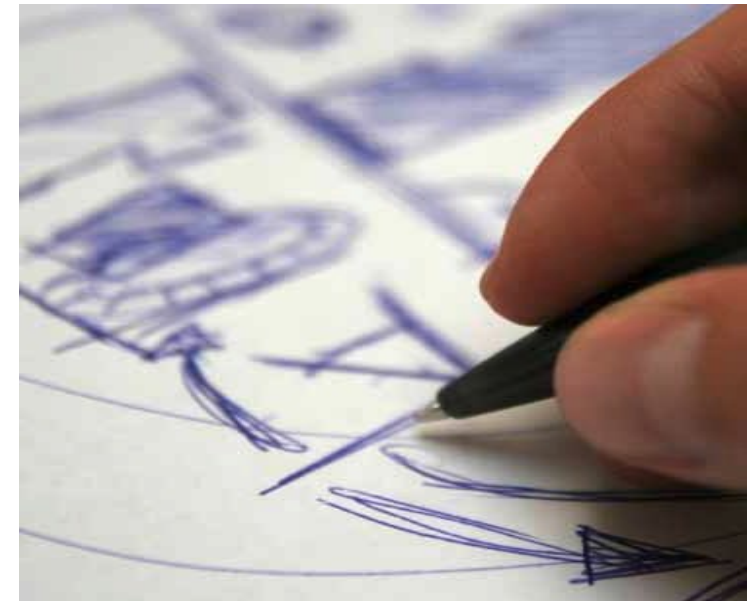
Component design

Construction suitable for processing
(Consideration of the production process in design)

Designing to suit the material
(Consideration of the properties of the plastic)

Clarification of optimal design, service life and performance

Execution of necessary calculations



Calculation & Design



CALCULATION & DESIGN

Specification of the production process

Consideration of the property change

Courses and information

Calculation software for our customers





RESEARCH, DEVELOPMENT & MATERIAL ANALYSIS



Research, Development &
Materials Analysis

Damage analysis

thermal, mechanical, electrical testing

Customer-specific component testing incl. report

Compound development

Adding modifications

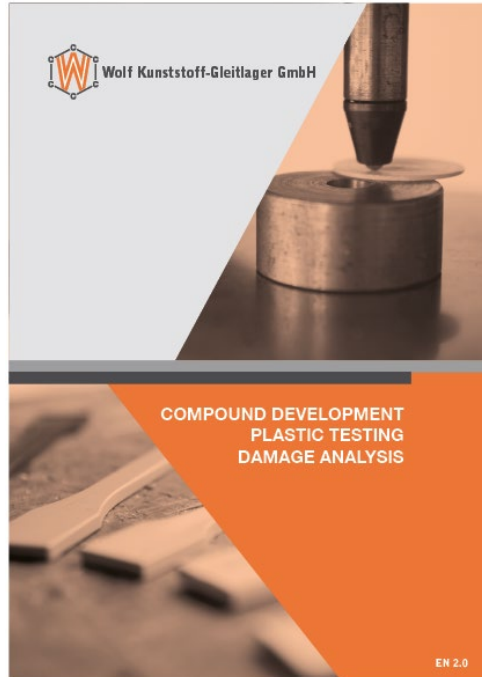
Fundamental research

Intensive basic research and material development
are fundamentals of our success

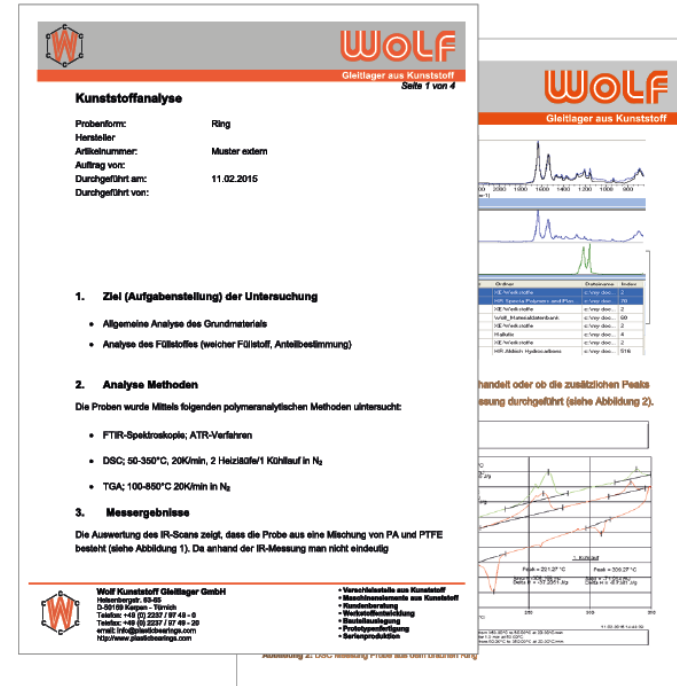
Benefit from many testing possibilities of our in-house
laboratory



TRIBOLOGICAL POLYMER TESTING, EVOLUTION AND DAMAGE ANALYSIS



MATERIAL TESTING BROCHURE



TEST REPORTS





TRIBOLOGICAL POLYMER SOLUTIONS

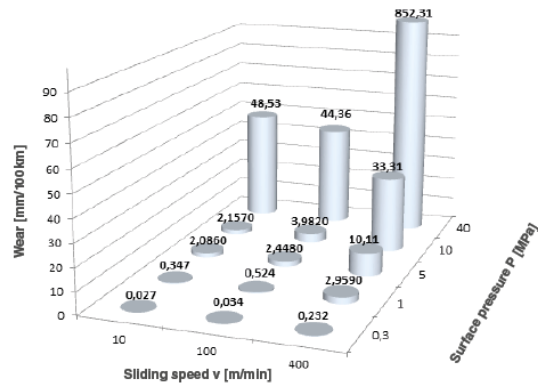




MATERIAL FAMILIES

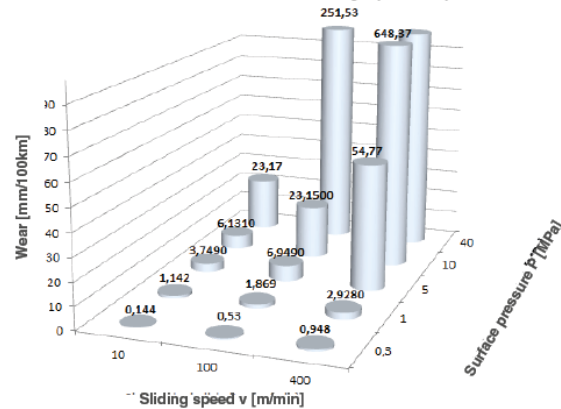
Wear results ZX-100

ZX-100K vs. 100Cr6 dry (20°C)



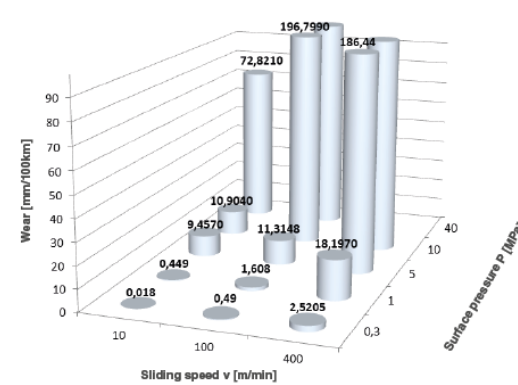
Wear results ZX-324

ZX-324 vs. 100Cr6 dry (20°C)



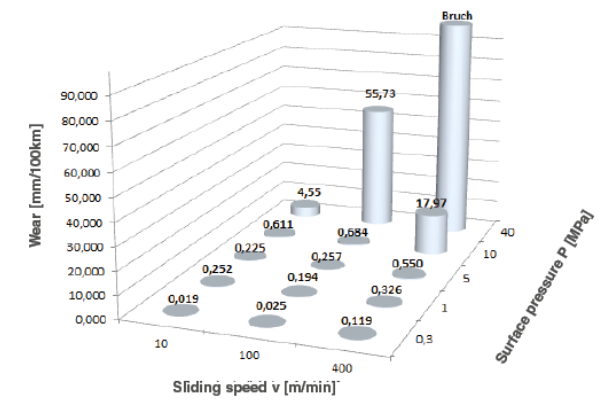
Wear results ZX-410

ZX-410 vs. 100Cr6 dry (20°C)



Wear results ZX-530

ZX-530 vs. 100Cr6 dry (20°C)





DAMAGE ANALYSIS

MECHANICAL, THERMAL, MICRO, MACROSCOPIC

Tribological polymer testing, evolution and damage analysis

MATERIAL TESTING

To develop a new material or to further develop or modify existing materials, a large number of laboratory attempts.

Due to our extensive laboratory equipment and decades of experience, we are able to carry out all relevant tests ourselves and use the data collected as a basis for further developments.

- Mechanical testing
- Thermal Analyzes
- Tribological examinations
- Electrical tests
- Component tests on the test bench
- Customized trials











Research, Development &
Materials Analysis





CALCULATION TOOLS

On our website we offer various calculation tools. e.g. ISO Tolerator, thread load capacity, bushing clearance calculation, material comparison and more.

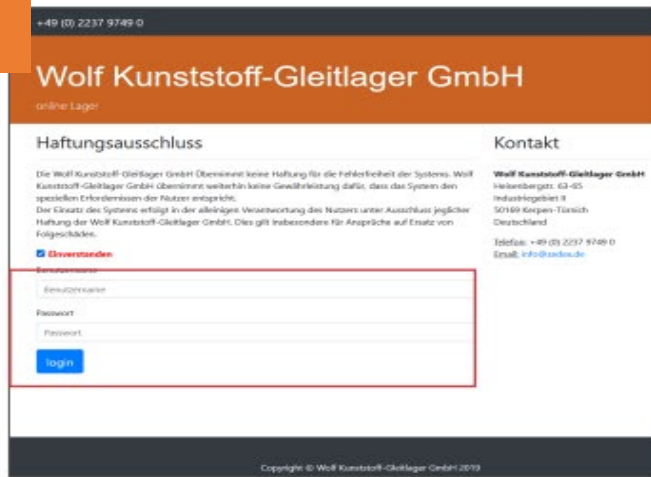
 <p>Chemical resistance</p> <p>The Chemical resistance tool graphically displays the resistance of ZEDEX® materials and standard plastics, to chemicals as a function of temperature and solution concentration.</p>	 <p>Thread load capacity</p> <p>To reduce settlement, the screws should be retightened 24 hours after installation. If necessary, use additional screw locking agent (adhesive or similar).</p>	 <p>ISO Tolerator</p> <p>The tolerator specifies all tolerance values according to ISO recommendations up to a nominal dimension of 500 mm.</p>	 <p>Wear</p> <p>With the Wear tool, the wear (abrasion) values of ZEDEX® materials can be displayed and compared as a function on various parameters, such as e.g. temperature.</p>
 <p>PV-values</p> <p>The PV Values tool can be used to display and compare PV values (surface pressure x sliding speed) of ZEDEX® materials as a function of various parameters.</p>	 <p>Coefficients of friction</p> <p>The Coefficients of friction tool can be used to display and compare coefficients of friction of ZEDEX® materials, as a function of temperature, intermediate medium and surface pressure.</p>	 <p>Bushings clearance calculation</p> <p>In order to ensure the functional reliability of plain bearing bushes, it is particularly important that the installation bearing clearance and thus also the operating bearing clearance is correctly dimensioned.</p>	 <p>Material comparison</p> <p>The material comparison tool allows you to graphically compare the properties of ZEDEX® materials with each other and with common plastics.</p>





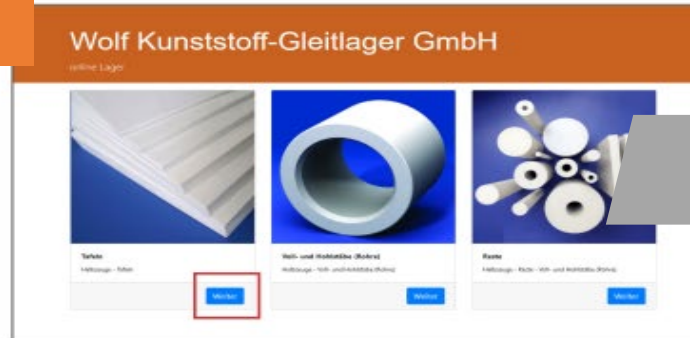
lager.zedex.de

1.



ACCESS WITH
YOUR PERSONAL LOGIN DATA.

2.



MAKE A PRODUCT SELECTION
AND CONFIRM WITH NEXT

3.

Lager/Tafeln

Halbzugige Tafeln

Lagerbestand

Artikel	Zeilenummer	Bezeichnung	Abmessung	Einheit (mm)	Einheit (mm)	Lager (mm)	Gewicht pro St. (kg)	Menge (Stk)
ZK-180K	H2791K004012	Platte aus ZEDEX-100	48x 3,0 (+/- 0,15) mm	3,00	1800	3000	5,730	55
ZK-180K	H2791K005012	Platte aus ZEDEX-100K	48x 3,5 (+/- 0,15) mm	3,50	1800	3000	7,450	8
ZK-180K	H2791K008012	Platte aus ZEDEX-100K	48x 4,0 (+/- 0,2) mm	4,00	1800	3000	11,880	14
ZK-180K	H2791K012012	Platte aus ZEDEX-100	48x 8,0 (+/- 0,25) mm	8,00	1800	3000	17,100	17
ZK-180K	H2791K019002	Platte aus ZEDEX-100K	48x 10,5 (+/- 0,25) mm	10,50	870	3000	28,500	2
ZK-180K	H2791K024012	Platte aus ZEDEX-100	48x 12,5 (+/- 0,25) mm	12,50	1800	3000	38,900	29
ZK-180K	H2791K00001L2000	Platte aus ZEDEX-100	48x 30,5 (+/- 0,25) mm	30,50	1800	2200	130,210	4
ZK-180K	H2791K100012	Platte aus ZEDEX-100	48x 50,5 (+/- 0,25) mm	50,50	1800	3000	153,000	1
ZK-180K	H2791K140012	Platte aus ZEDEX-100	48x 70,5 (+/- 0,25) mm	70,50	1800	3000	238,010	2
ZK-180K	H2791K170012	Platte aus ZEDEX-100	48x 89,5 (+/- 0,25) mm	89,50	1800	3000	388,000	1
ZK-180K	H2791K190012	Platte aus ZEDEX-100	48x 90,5 (+/- 0,25) mm	90,50	1800	3000	373,557	1
ZK-224	H2791K020011	Platte aus ZEDEX-224	48x 10x 370x1800mm	10,00	370	1800	8,970	4
ZK-224	H2791K040011	Platte aus ZEDEX-224	48x 15x 370x2000mm	15,00	370	2000	13,840	3
ZK-224	H2791K060011	Platte aus ZEDEX-224	48x 15x 370x2000mm	15,00	370	2000	18,500	1


ALL DIMENSIONS AVAILABLE IN
STOCK ARE GIVEN IN A LIST.




ONLINE SERVICES



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 Wolf Kunststoff - Gleitlager GmbH

[Home](#) [3D Filamente](#) [3D Tribo-Filamente](#)




Willkommen im ZEDEX[®] Webshop.

Weitere Informationen zu unseren Filamenten finden Sie auf der dazugehörigen Website:

- Materialdatenblätter
- 3D Druckparameter
- Technische Dokumente
- Diverse Anleitungen für unsere Filamente

3dtribofilament.de




ZX-200LT Filament

ZX-200LT ist eine Verbindung auf Basis von PK (Polyketon) und gehört wie PEEK (Polyetheretherketon) zur Gruppe der Polyketone. ZX-200LT ist in seiner Medien- &... Hydrolysebeständigkeit vergleichbar mit PPS, bei gängigen Chemikalien mit PEEK vergleichbar. Aufgrund

64,39 €*

[In den Warenkorb](#)





ZX-324 Filament


ZX-324 Filament besteht aus 100% reinem PEEK (Polyetheretherketon). Im Gegensatz zu herkömmlichem PEEK hat es eine höhere Glas Glasübergangstemperatur... und eine bessere Duktilität. ZX-324-Filament ist ein hochtemperaturbeständiger Thermoplast mit einem

440,31 €*

[In den Warenkorb](#)







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ONLINE SERVICES



QUALITY ASSURANCE

- Testing in our company
- Highest quality standards, with regularly maintained testing equipment
- All checks, final inspections and approvals are controlled from Germany, also for foreign productions.



Many leading customers from a wide range of industries rely on our quality.



QUALITY ASSURANCE

