PROLAST-O®
FFPM/FFKM SEALS

Prolast-O® high performance seals withstand extreme temperatures up to +320 °C and aggressive chemicals. Thanks to Swiss manufacturing and our many years of experience, you benefit from fast availability, custom solutions, and long lasting quality – for reduced downtime, higher productivity and absolute reliability.

WHY PROLAST-O®?

Swiss Precision – Production in Effretikon near Zurich

- Special dimensions and customer specific moulded parts realised in our in-house toolmaking department
- No tooling costs for standard O-ring dimensions

Fast Availability

- Express manufacturing for urgent cases
- O-rings in metric and inch dimensions available at short notice

Extreme Resistance

- Temperature resistance up to +320 °C
- Maximum chemical resistance

Use in Sensitive Industries

- Ideal for applications in the food, pharmaceutical, medical, and biotechnology sectors

Durability and Operational Reliability

- Extended maintenance intervals and higher productivity thanks to low compression set and excellent ageing resistance

PROLAST-O®
COMPOUNDS

	Material	Colour	Operating temperature	RoHS 2011/65/EU	REACH EG 1907/2006	ADI-free	POP EU 2019/1021	FDA 21 CFR 177.2400	EU Nr. 1935/2004	USP Class VI
Prolast-O® standard	20-75-0004	black	-35 to +230	X	X	X	X	X	X	
Prolast-O® standard	20-70-0012	white	-35 to +230	X	X	X	X	X	X	
Prolast-O® medical	20-70-0017	white	-20 to +260	X	X	X	X	X	X	X
Prolast-O® high temperature	20-75-0043	black	-15 to +320	X	X	X	X			

OTHER FFPM/FFKM COMPOUNDS

For specific requirements and applications requiring dedicated certifications, additional FFPM/FFKM compounds are available. We will be happy to advise you.

MATERIAL CONSULTING

The main cause of premature seal failure lies in the swelling and embrittlement of the sealing material. Thanks to the excellent long-term resistance of Prolast-O® compounds to highly aggressive chemicals and elevated operating temperatures, maintenance intervals can be significantly extended and the productivity of your system sustainably increased.

Our experts will be pleased to support you in selecting the optimal compound for your application.

MANUFACTURING
TOOLING AND PARTS

From feasibility analysis to certified FFPM/FFKM seals – everything from a single source. Reliable Prolast-O® parts are created through a clearly structured and internally controlled manufacturing process. During the feasibility analysis, the application specific requirements are systematically reviewed, and the material, geometry, and manufacturability are evaluated. This ensures continuous process control, short reaction times, and consistent, reproducible quality throughout the entire product life cycle.

Toolmaking Department

- Feasibility analysis
- Design of vulcanisation tools for O-rings and other moulded rubber parts
- Tool manufacturing carried out in-house in Effretikon (CH)
- O-ring tools available within one week

Mould Storage

- Large stock of vulcanisation moulds in standard metric and inch dimensions
- Special dimensions or customer specific parts realised in our in-house toolmaking department

Production

- In-house vulcanisation
- O-rings and various moulded rubber parts
- Express manufacturing of O-rings available

Quality Control

- Automated optical measurement
- Surface inspection
- IRHD M Shore hardness testing, according to ISO 48-2:2021-02
- Compression Set (CS) testing
- Test reports tailored to your requirements

KUBO

With passion for the detail.

Kubo Tech AG
Im Langhag 5
CH-8307 Effretikon
T +41 52 354 18 18
info@kubo.ch
www.kubo.ch

Kubo Tech GmbH
Gewerbeallee 12a
AT-4221 Steyregg
T +43 732 781937-0
office@kubo.at
www.kubo.at

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