

CREATING SHAPES

THERMOSETS

THERMOPLASTICS

SILICONES

BIOPOLYMERS

ASSEMBLY PRODUCTION

Natural rubber sealing membrane

Chemically crosslinked natural rubber
 ✓ IP65, cavity.

PBT Pressure lid

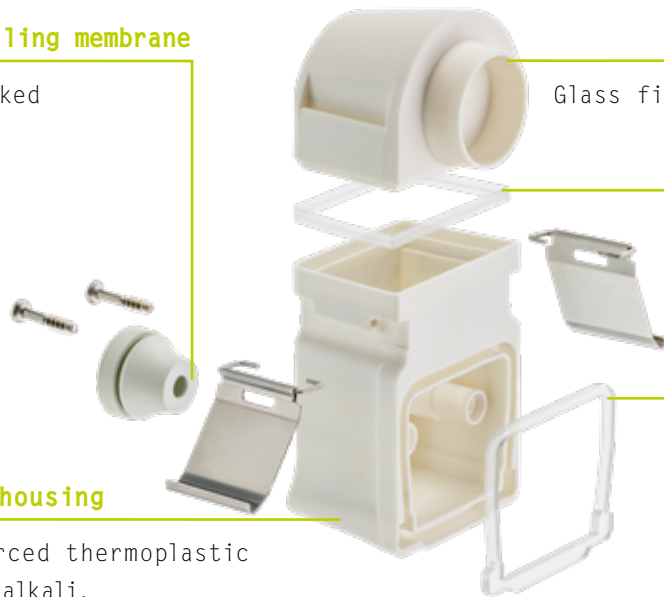
Glass fibre reinforced thermoplastic
 ✓ UV-stable, acid, alkali, oil resistant.

PBT Pressure lid housing

Glass fibre reinforced thermoplastic
 ✓ UV-stable, acid, alkali, oil resistant.

Liquid silicone seal

Seamless liquid silicone seal
 ✓ one-piece-injected, with individually adjusted elasticity.



THERMOPLASTIC + SILICONE

Polyamide end cap

Glass bead reinforced thermoplastic
 ✓ heat stable, ammonia resistant.

LSR-Seal

Seamless Liquid Silicone seal
 ✓ one-piece-injected.

Polyamide connector holder

Deep black dyed thermoplastic
 ✓ formstable, shockproof.



THERMOSET

Dimensional stability

± 0,02 mm.

UP LB-lid

Unsaturated polyester resin (UP), glass fibre reinforced
 ✓ torsion rigid and temperature resistant.

PF-Ashtray

Thermoset (phenol mass)
 ✓ extremely temperature resistant.



INHOUSE PLASTIC INJECTION MOLDING

Long term experience in plastics technology.

Since 1953 we are manufacturer for plastic injection molded parts, primary in the electrical and automotive industry and have long-standing expertise in processing with **Thermosets** and **Thermoplastics**.

The PRACHT brand also opens up a wide range of possibilities through the company's own development institute. We can also resort to comprehensive, well-founded insights from our own production of quality luminaires which are in use for very demanding occasions and areas.



LATEST TECHNOLOGY

Our injection molding machines have the ability to work with a closing force from 35 to 220 tons on **Thermoplastics** and from 80 to 150 tons on **Thermosets**. The **Liquid Silicone** machine can be used up to a clamping force of 30 tons.

For tool maintenance, modification or even new construction of tools we are at your disposal with high-performance and reliable toolmakers at any time. Of course we are certified according to DIN EN ISO 9001:2015.

From product development and supplier performance up to production and initial sample test reports as well as series production we are a competent partner for generations.



HIGHLY SPECIALIZED

The enterprise PRACHT Industry GmbH processes various plastics under the brand PRACHT Engineering Plastics. Examples:

- **Thermoplastics** (PA, ABS, PBT, PC, POM, TPE)
- **Thermosets** (PF, UP, MP)
- **Elastomers/Liquid Silicone** (LSR)
- **Biopolymers** (NAWAROH®)



ENVIRONMENTAL IDEA

We do care about the ecological footprint. That is why we have co-developed i.a. **NAWAROH®** (products made of renewable raw materials) as a result of the collaboration between Prof. Dr.-Ing. Friedhelm Pracht and Prof. Dr.-Ing. Dr. h.c. habil. Andrzej K. Bledzki, University Kassel and Technical Institute Stettin. We also test materials according to customer requirements which are not yet available on the world market. Challenge us!

**„PASSION FOR PLASTICS,
PROFESSION IN ENGINEERING.“**

Prof. Dr.-Ing. Friedhelm Pracht, 1983