





## Eriks : Innovation and quality in technical rubber

### QUALITY

Eriks stands for 60 years of innovation and quality in technical rubber. Reliability and continuous high-level performance, as well as experience achieved over 6 decades, are a strong argument for partnering with us.

Our potential of experience, highly qualified staff, as well as our state of the art machinery, are our response to the challenge of a global market.

In everything we do, innovation and quality are given top priority.

### DESIGN • INNOVATION • PROBLEM SOLVING

Together with our engineers and specialists, you will find application-oriented versions from the development of formulas, designing, to sample manufacturing.

Using modern state of the art machinery, we can produce high quality end products at competitive prices.



#### PRODUCTION PROGRAM:

##### 1. Extrusions

- Cords
- Profiles
- Inflatable seals

##### 2. Mouldings

- Customer mouldings
- Bellows
- Washers
- Handmade rubber parts

##### 3. Cellular and sponge rubber

##### 4. Anti-vibration technique

##### 5. High Purity seals and Gaskets



*Airport Friedrichshafen  
(High performance silicone seals for lamps)*



## Our products

### 1. EXTRUSIONS:

#### Profiles

- **Stock:** We stock 1.500 standard rubber profiles in plain, cellular, PVC- and TPE-rubber extrusions.
- **Production:** We produce small quantities of special designed shapes. (More than 12.600 moulds are at our disposal)
- **Edge-vulcanisation:** We produce finished frames and custom profiles, designed for customer-specific applications.
- **Documentation:** Ask for our special 90 page Technical Handbook-Profiles.

#### Cords

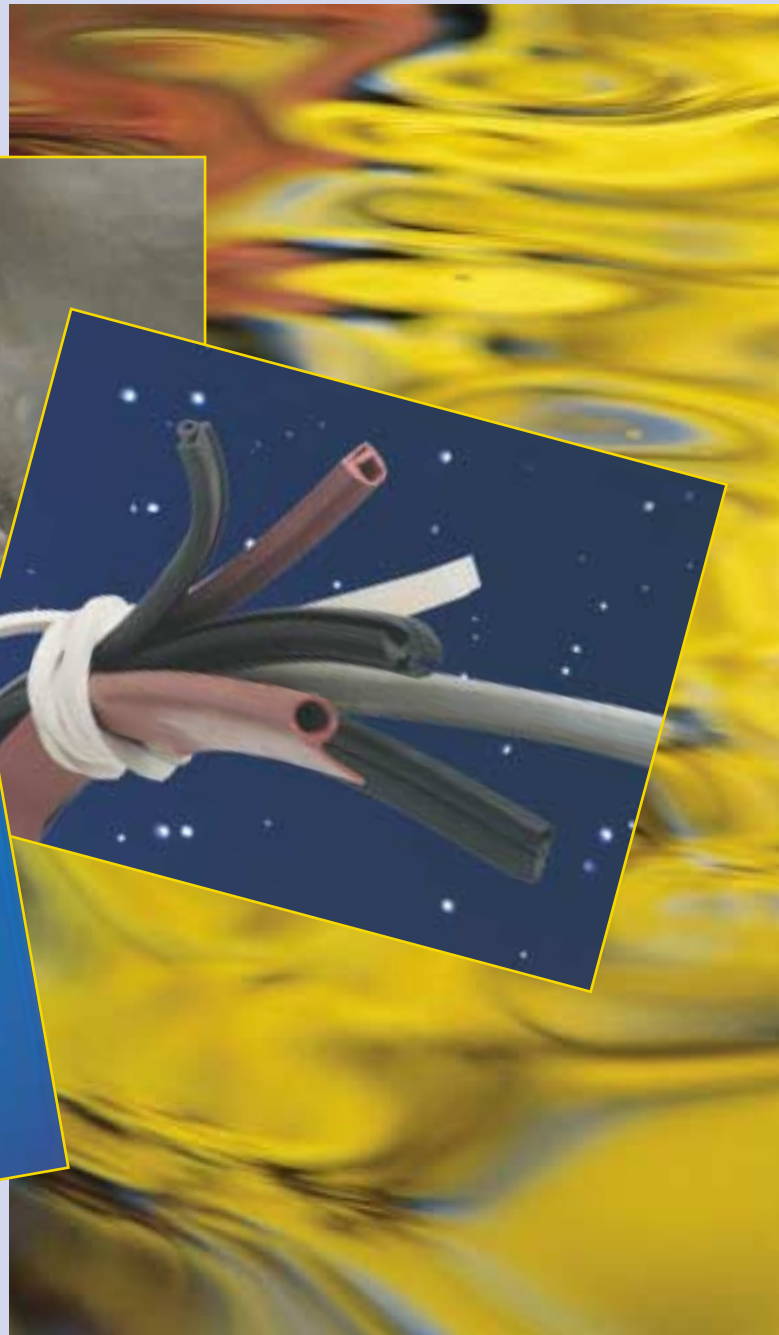
We stock 200 different dimensions of plain and cellular cord in different densities and in all classic rubber compounds.

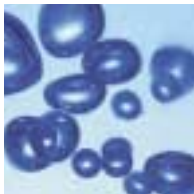
#### Inflatable seals

For specific high tech applications.  
Ask for our Technical Handbook!



Ceflair® inflatable seals





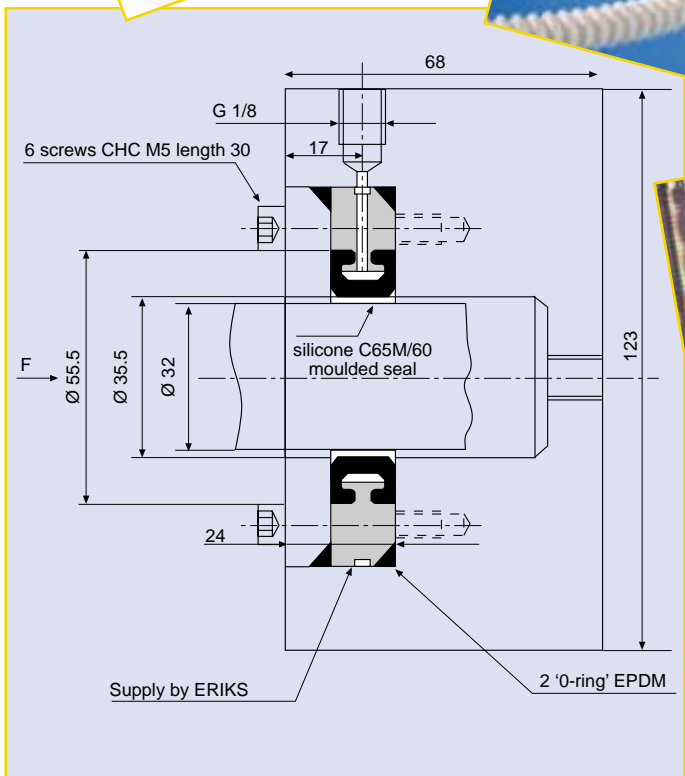
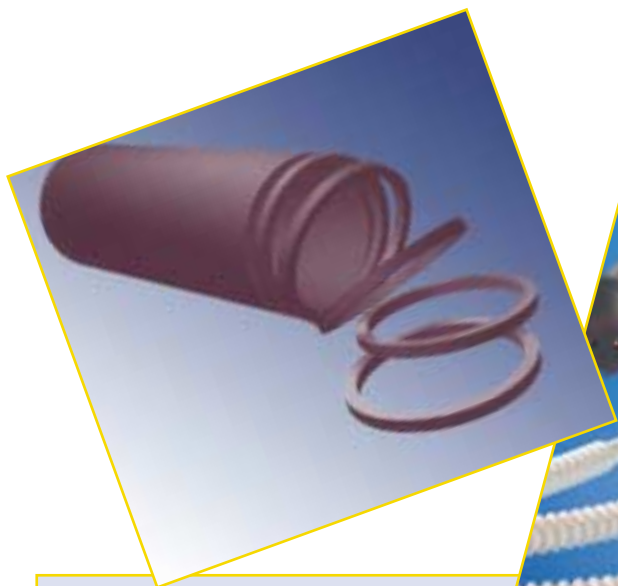
## Our products

### 2. MOULDINGS:

**Customer Mouldings:** We produce custom-made parts in small and high volume quantities in all standard and high tech rubber compounds.  
We have mould making facilities to produce prototype molds in less than one day.

**Bellows & Washers:** In various hardnesses, quantities, qualities and tolerances.

**Handmade rubber parts:** Individual production of special shapes in small quantities.





## Our products

### 3. CELLULAR AND SPONGE RUBBER:

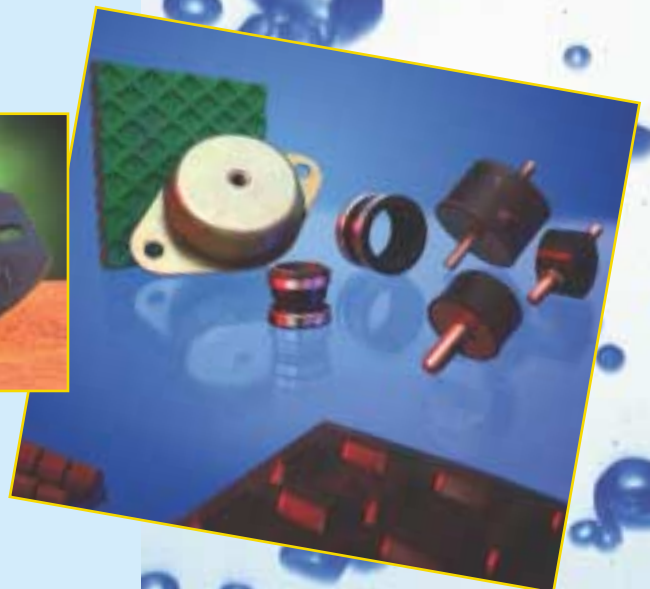
We produce gaskets, tapes and strips from all types of cellular or sponge rubber. We make profiles self-adhesive and deliver engineered parts in plastic or metal-cellular combination.

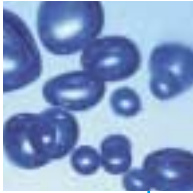


### 4. ANTI-VIBRATION PRODUCTS:

#### Anti-vibration mounts

A full program of high quality anti-vibration mounts, as well as application and design assistance. Ask for our specific documentation.





Our products



### 5. HIGH PURITY SEALS AND GASKETS:



1. O-rings and mouldings in compliance with KTW - ACS - FDA - USP - WRC - DVGW - NSF - UL



2. Gaskets for Triclamps in FDA and USP in all rubber and PTFE compounds

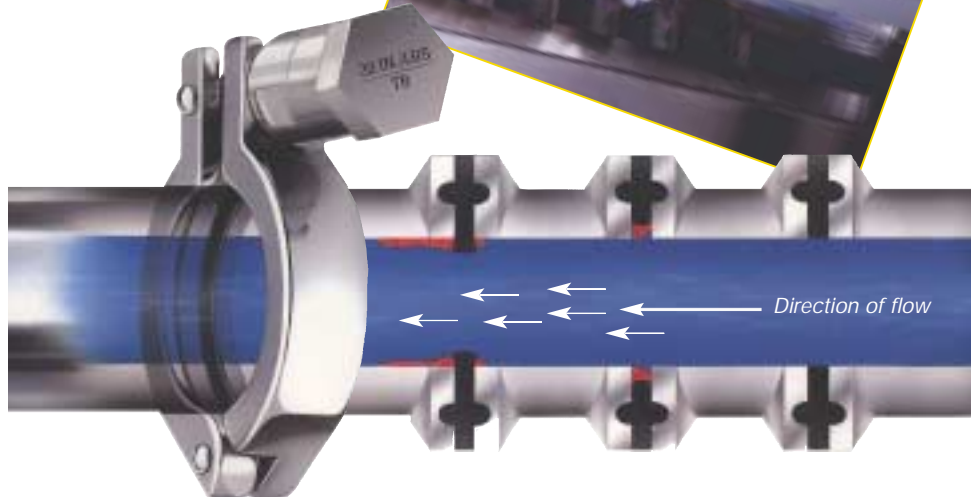
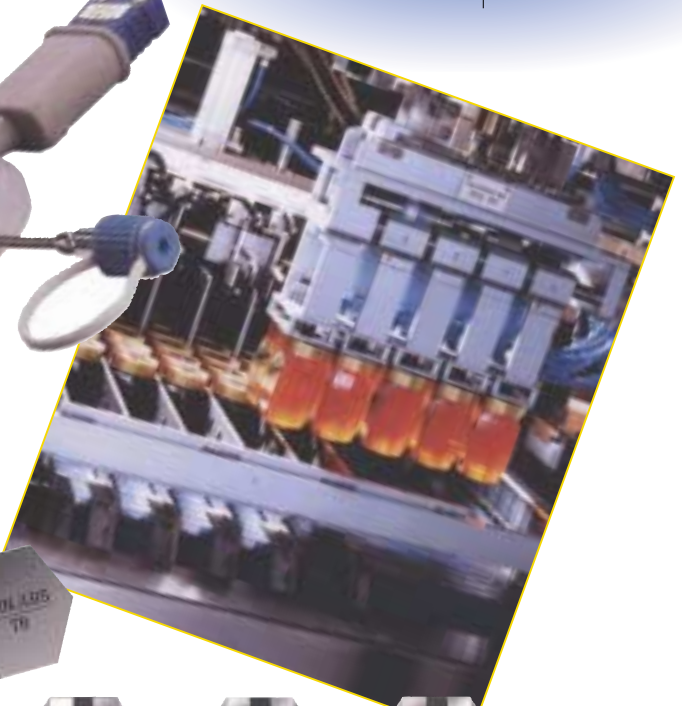
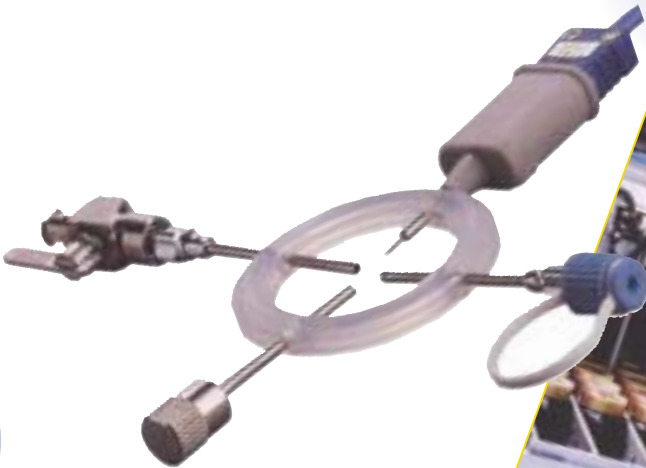
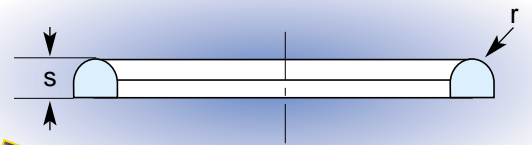
3. Milkcoupling gaskets



4. Screen gaskets - orifice plates - smart gaskets

5. Seals for Camlock-couplings in Viton and Silicone/FEP encapsulated

6. Certificates for all compounds





## High Performance Specialities

### 1. Viton® License:

Eriks is worldwide a partner of the Dupont Performance Elastomers Viton® program.



### 2. Kalrez® partner:

Eriks is Dupont Performance Elastomers' partner for the high performance Kalrez program. We can design the perfect seal for you using FEA.

### 3. FDA and USP seals:

Eriks has a broad offering of FDA-compliant rubber-based seals as a result of our laboratory research. Ask for our special brochure.

### 4. Surface treated rubber parts:

Using advanced plasma surface modification, parts with reduced friction or advanced cleaning can be provided.

### 5. TPE:

A 100% recyclable product, which can be produced in different types and hardnesses.

### 6. EMI shielding:

Electric and electronic equipment rubber sealing profiles for the reduction of electromagnetic interference.

### 7. Conductive materials:

Conductive elastomers are available in different grades, including extruded, molded or die-cut parts.

### 8. Certified rubbers: KTW, DVGW, WRC, ACS, NSF, USP, UL.

### 9. Cord: Available with special tolerances.

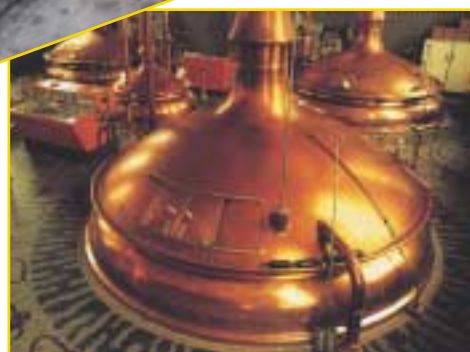
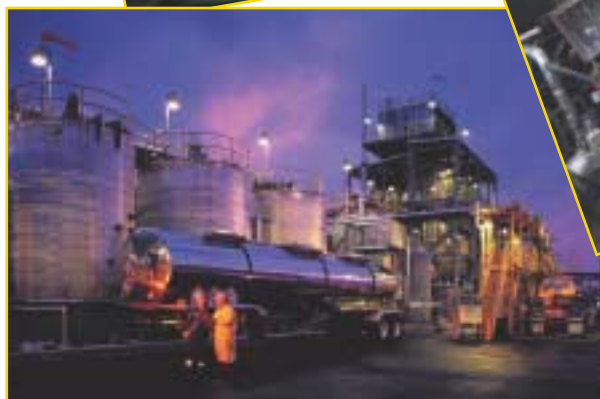
### 10. Silicone: Over 45 compounds for various applications are available.





## Our markets

- Mechanical engineering
- Food industry
- Construction industry
- Sanitation, heating and air conditioning
- Hydraulic and pneumatic equipment
- Electrical engineering and electronics
- Automotive and aerospace industry
- Chemical industry
- Pharma & biochemical industry
- Instrumentation
- Semiconindustry





# Quality Control, Certification and Customer Development

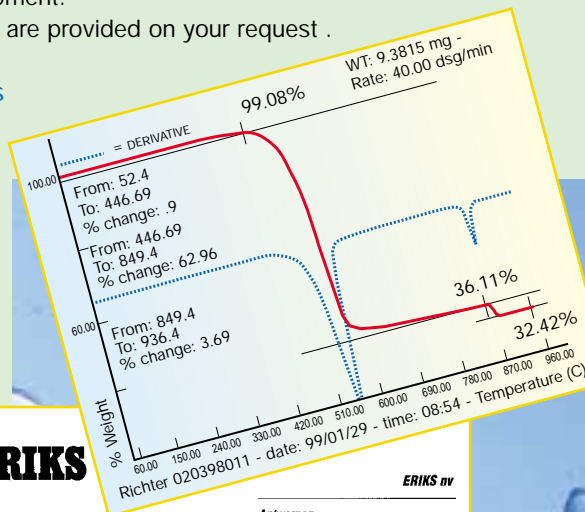
Ideas for new products

ERIKS technical rubber products are the highest in quality. They are produced according to ISO-norms and controlled with high precision test-equipment. Certification papers according to DIN/EN/ISO 9002 are provided on your request.

## Quality Assurance for your rubber parts

In addition to our customers standard test procedures, ERIKS offers different possibilities for quality assurance-systems, including:

- compression set testing
- hardness control following Shore A or IRHD
- surface control to Sortenmerkmal S
- specific measurement to special tolerances
- special surface control
- tear strength test
- tensile strength (modulus and elongation) test
- ozone testing
- lifetime testing
- chemical resistance tests
- infrared spectroscopy
- TGA-analysis
- FDA migration test
- TOC analysis
- FEA calculations



**ERIKS**

ERIKS nv

Antwerpen  
Boombekelaan 3,  
B-2660 Hoboken, België  
Telefoon +32-3 829 2700  
Fax +32-3 828 3959

### CERTIFICATE OF CONFORMITY TO THE FDA REGULATIONS

Developed a vast range of elastomeric compounds, formulated to comply with regulations issued by the U.S. Federal Food and Drug Administration (FDA). Regulations are found in Title 21, Chapter 1, Subchapter B, Section 177.2600 of the Code of Federal Regulations, Title 21, Chapter 1, Subchapter B, Section 177.2600 of the Code of Federal Regulations and the Code of Federal Regulations, Title 21, Chapter 1, Subchapter B, Section 177.2600 of the Code of Federal Regulations. Regulations define which rubber polymers and compounding ingredients can be used in articles intended for repeated contact with food. Our compounds (mainly non-black) are for use in aqueous and fatty foods. Black compounds (typically black) are restricted to aqueous foods.

Our compound Viton® 514641 is formulated to the above FDA regulations, class 1.

Results:

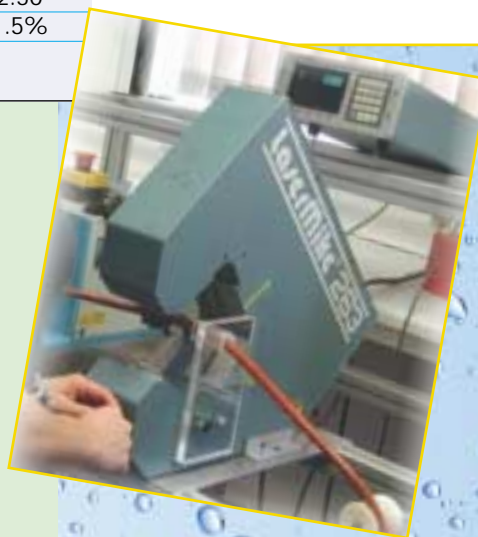
	Norm	Test results
hexane 7h	175 mg/inch <sup>2</sup>	1 mg/inch <sup>2</sup>
hexane 2h supplementary	4 mg/inch <sup>2</sup>	<1mg/inch <sup>2</sup>
oil/water 7h	20 mg/inch <sup>2</sup>	<1mg/inch <sup>2</sup>
oil/water 2h supplementary	1 mg/inch <sup>2</sup>	<1mg/inch <sup>2</sup>

Registered trademark of DuPont Dow Elastomers

## Tolerances DIN ISO 3302-1 Rubber Parts

diameter (mm)	tol. class M1 (± mm)	tol. class M2 (± mm)	tol. class M3 (± mm)	tol. class M4 (± mm)
0 à 4.0	0.10	0.15	0.40	0.50
4.0 à 6.3	0.12	0.20	0.40	0.50
6.3 à 10	0.15	0.20	0.50	0.70
10 à 16	0.20	0.25	0.60	0.80
16 à 25	0.20	0.35	0.80	1.00
25 à 40	0.25	0.40	1.00	1.30
40 à 63	0.35	0.50	1.30	1.60
63 à 100	0.40	0.70	1.60	2.00
100 à 160	0.50	0.80	2.00	2.50
160 à -	0.4%	0.7%	1.3%	1.5%

Our standard rubber parts are produced following class M2.





## Individual and flexible production

- Extrusion
- Forming
- Gasket cutting
- Handmade production
- Moulding (compression-injection)
- Waterjet cutting
- Vulcanisation
- Self adhesive production
- Quick supply of a wide range of seals
- Surface cleaning & coating
- Plasma treatment
- One day to one week production for urgent items
- Individual packaging with your reference





## Our compounds

Together with Dupont Performance Elastomers:

Our and your partner in chemical resistance problem solving.

### General information on physical and chemical resistance of our rubber compounds

Properties	NR	IR	SBR	BR	IIR	EPDM	NBR	ECO	CR	CSM	AU	T	SI	FSI	FKM	ACM	PUR	PTFE	FFPM
Tensile strength	1	2	5	6	4	5	5	5	3	5	2	6	6	6	5	6	1	1	5
Elongation	1	1	2	3	2	3	2	3	2	3	2	4	4	4	3	3	2	3	3
Elasticity	2	2	3	1	6	3	3	2	3	4	3	4	3	3	5	5	2	X	4
Abrasion resistance	2	2	2	1	3	3	2	3	2	3	1	5	5	5	4	4	1	3	4
Tear resistance	2	2	3	5	3	3	3	3	2	4	3	4	6	6	3	4	1	2	3
Electrical resistance	1	1	2	2	2	2	4	5	3	4	3	3	1	1	4	4	2	1	4
Temp. °C hot air	+90	+90	+100	+100	+130	+150	+120	+145	+120	+120	+120	+140	+200	+200	+200	+160	+80	+200	+316
Low temp. °C	-40	-40	-50	-60	-40	-50	-50	-40	-40	-20	-20	-30	-70	-80	-20	-20	-25	-190	-20
Aging resistance	3	3	3	3	2	1	3	2	2	2	2	3	1	1	1	2	1	1	1
Ozon resistance	4	4	4	3	2	1	3	2	2	2	2	2	1	1	1	2	1	1	1
Fuel resistance	6	6	6	6	6	4	1	1	2	2	1	1	5	1	1	1	2	1	1
Oil/grease resist.	6	6	6	6	6	4	1	1	2	2	1	1	1	1	1	1	2	1	1
Acid resistance	3	3	3	3	2	1	4	5	2	2	5	4	5	4	1	5	6	1	1
Alcali resistance	3	3	3	3	2	2	3	5	2	2	5	3	5	4	1	5	6	1	1
Hot water resistance	3	3	3	3	1	2	3	4	3	3	5	3	5	4	2	5	6	1	1

1 = excellent / 2 = very good / 3 = good / 4 = sufficient / 5 = poor / 6 = insufficient

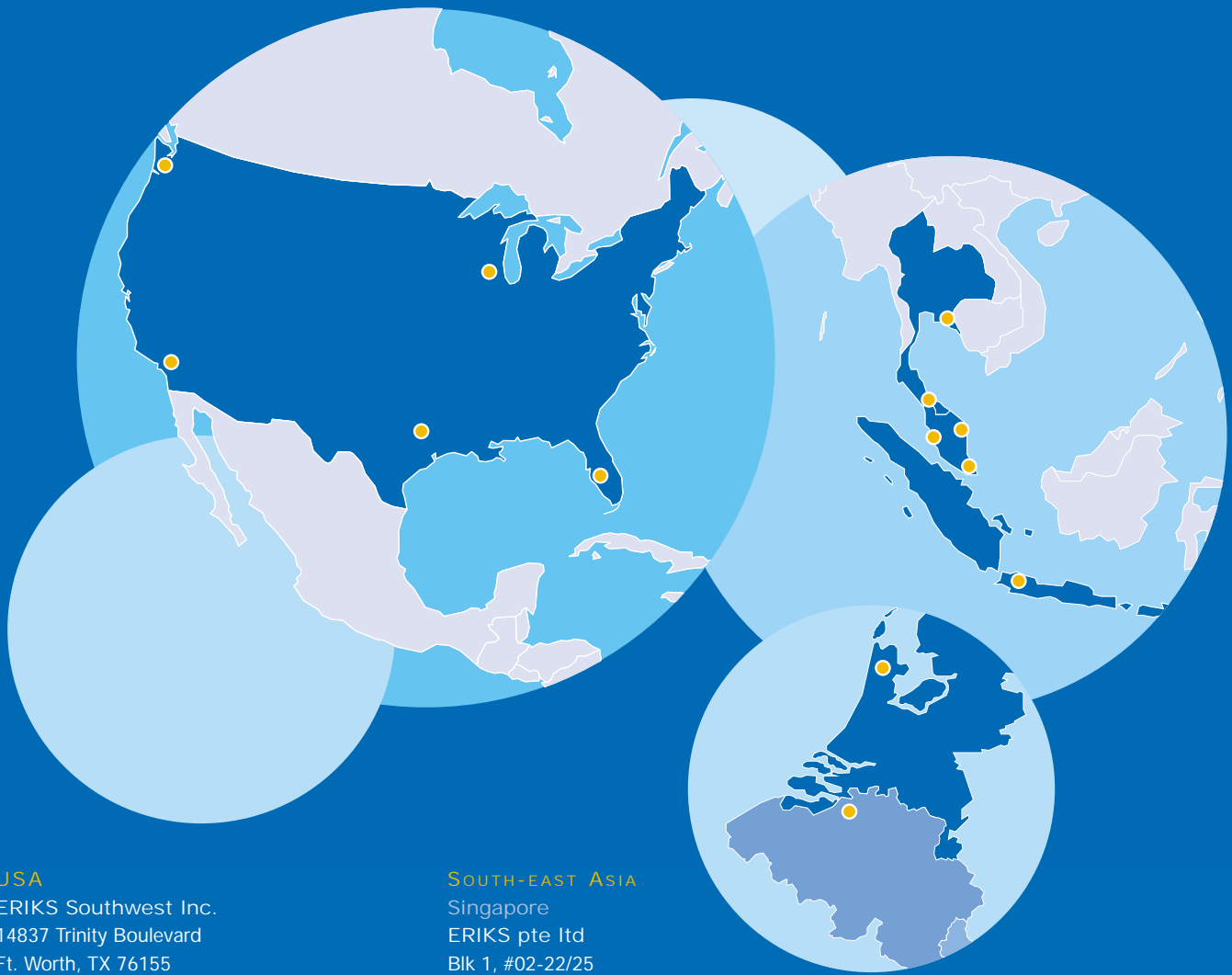
### TSA® Total Sealing Agreement:

ERIKS wants to be a performant partner, as well in the technical as in the logistic field, looking to beneficial solutions for its customers.

### Ask for our technical documentation 'Technical Rubber'

- Technical rubber profiles
- Inflatable seals
- Rubber parts
- Vibration mounts
- High Purity for pharma and food industry
- Seals for hosecouplings
- O-rings





#### USA

ERIKS Southwest Inc.  
14837 Trinity Boulevard  
Ft. Worth, TX 76155  
Tel: +1 817 267 88 37  
Fax: +1 817 571 47 00

ERIKS Midwest Inc.  
21700 Doral Road  
Waukesha, WI 53186  
USA  
Tel: +1 262 785 13 33  
Fax: +1 262 785 17 56

ERIKS Aerospace Inc.  
3002 N. Commerce Parkway  
Miramar, FL 33025  
USA  
Tel: +1 954 447 47 00  
Fax: +1 954 447 48 07

ERIKS West Inc.  
14600 Interurban Ave. South  
Seattle, WA 98168  
USA  
Tel: +1 206 243 96 60  
Fax: +1 206 243 47 18  
*With outlet in:*  
*Anaheim, CA*

Email: [sales@eriksusa.com](mailto:sales@eriksusa.com)  
[www.eriksusa.com](http://www.eriksusa.com)

#### SOUTH-EAST ASIA

Singapore  
ERIKS pte ltd  
Blk 1, #02-22/25  
Pasir Panjang Distripark  
Pasir Panjang Road  
Singapore 118480  
Tel: +65 62 72 24 05  
Fax: +65 62 74 17 06  
Email: [sales@eriks.com.sg](mailto:sales@eriks.com.sg)  
[www.eriks.com.sg](http://www.eriks.com.sg)  
*with outlets in:*  
*Chonburi, Thailand*  
*Jakarta, Indonesia*

Malaysia  
ERIKS sdn bhd  
No. 20B, Jalan Penchala  
46050 Petaling Jaya  
Selangor Darul Ehsan  
Malaysia  
Tel: +60 3 7783 64 51  
Fax: +60 3 7783 68 05  
Email: [sales@eriks.com.my](mailto:sales@eriks.com.my)  
[www.eriks.com.my](http://www.eriks.com.my)  
*with outlets in:*  
*Prai, Penang*  
*Kemaman, Terengganu*

#### HOLLAND

ERIKS bv (head office)  
Toermalijnstraat 5  
1812 RL Alkmaar  
Tel: +31 72 514 15 14  
Fax: +31 72 515 56 45  
[afdichtingen@eriks.nl](mailto:afdichtingen@eriks.nl)  
[www.eriks.nl](http://www.eriks.nl)  
*with outlets in Amsterdam, Rotterdam,*  
*Den Haag, Hengelo, Leek, Leeuwarden,*  
*Maastricht*

#### BELGIUM

ERIKS nv  
Boombekelaan 3  
2660 Hoboken  
Tel: +32 3 829 26 11  
Fax: +32 3 828 39 59  
[info@eriks.be](mailto:info@eriks.be)  
[www.eriks.be](http://www.eriks.be)  
*with outlet in Louvain-la-Neuve*

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