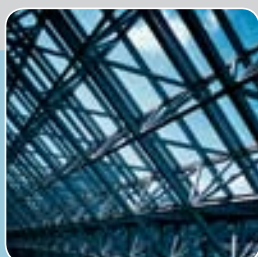




Cellular qualities

Cellular rubber 329 H 096
Neoprene/EPDM FDA compliant.

- CR (Chloroprene)/ EPDM / Polyolefin
- Soft elastic cellular rubber with closed



Physical Properties

Test Method	Norm	Test Values
Density	DIN 53 420	96 kg/m ³ ±15
Oil resistance, Fluid immersion 7 days at 23°C		pass
Elongation at break	DIN 53571	305 %
FDA Approval		ingredients are approved
Compression Set Suffix B, 25 % max.	ASTM D 1056	20 %
Compression Deflection at 25 %	ASTM D 1056	37,9 kPa
Ozone Test	ASTM D 1171	no cracks, pass
UV-Resistance, 120h Ultra-violet light exposure		excellent
Water Absorption	DIN 54 428	5 % max.
Flame Retardant	UL 94 HF1 ASTM D 1056 99 SAW J 18 99 Mil R 6130, type II grade A, B & C. Mil C 3133, SCE42 & SCE 7	self-extinguishing, pass 2C2 2C2 pass pass

Temperature Resistance

- -40° to +70°C
- Short duration up to +90°C

Application

- Ozone, air and UV resistant
- Weather resistant
- Food
- Seawater
- Petroleum
- Fuel and lubrication oil

Other Information

- Size tolerances according DIN 7715 P3.
- Material can be waterjetcut, cut, stamped, milled, grind, glued. very fine cells



Cellular qualities

Cellular silicone sheet material in FDA grade with numerous advantages for multi purposes.



Advantages such as:

- Excellent performances at high and low temperatures
- Superb compression set
- Durable long term resilience and long service life evening dynamic applications
- Low water absorption and excellent resistance against UV light and ozone
- Temperature tolerance from - 55°C to + 200°C
- Formulated to meet BgVV, XV and FDA 21.CFR 177.2600.

All products are supplied in maximum sheets of 914x914mm. Thicknes available in inch dimensions. Material can be cut easily by die cutting in different gaskets. Material can be delivered with or without self adhesive layer.

SI 714 R 200 PR, SI 714 R 320 PR, SI 714 R 380 PR

Properties	Unit	SI 714 R 200 PR	SI 714 R 320 PR	SI 714 R 380 PR
Specific gravity	kg/cm ³	192	320	384
Compression force deflection	ASTM D1056 kpa 25% deflection	7-35	41-79	83-138
Compression set	ASTM D1056 100 °C	< 5%	< 5%	< 5%
Tensile strength	ASTM D412 kpa	241	310	414
Elongation	ASTM D412 %	90	80	65
Low temperature brittleness	ASTM D476 (B) °C	-55	-55	-55
Water absorption	ASTM D471	3,50%	1,40%	0,80%
Cell structure		Open cell	Closed cell	Closed cell
Colour		White-Gray	Gray	Gray
Thickness		1,6 upto 25,4mm	0,8 upto12,7mm	0,8 upto 6,4mm

Silicone sponge profiles in FDA grade:

- This platinum-cured food grade silicone sponge is resistant to ultra-violet light, corona, arcing and ozone.
- Excellent for vibration damping and for protecting and cushioning components.
- Excellent chemical resistance (but not suitable for use with many solvents, oils or concentrated acids).
- Low degree of moisture absorption, therefore mechanical properties show little change, even after prolonged periods of immersion.
- Not recommended for long term service where steam pressure exceeds 50 psi

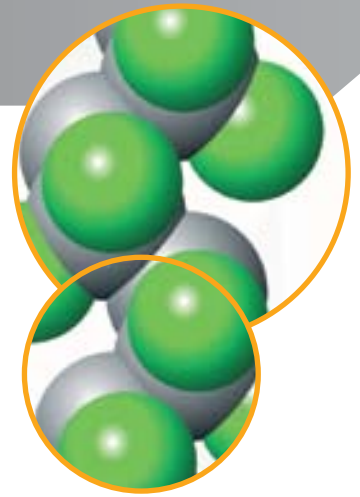
SI 714 S 400 PR, SI 714 S 600 PR

Properties	Unit	Test	SI 714 R 400 PR	SI 714 R 600 PR
Specific Gravity	g/cm ¹	D792	0.40	0.60
Compression Set (22 hrs at 100°C)	D395	%	<50	<50
Tensile Strength	Mpa	D412 DIE C	1.5	2.0
Elongation at Break	%	D412 DIE C	300	400
Tear Strength	kN/m	D624 DIE B	5	11
Plasticity Williams	mm/100	D926 67	240	240
Low Temperature Brittleness		ASTM D746-98 -55°C	No Cracks	No Cracks

Figures given above are for guidance only and should not be used in preparing specifications.

ZOTEK® High Performance PVDF Foams

Kynar exhibits exceptionally wide temperature tolerance (to 160°C), excellent UV, nuclear radiation and ageing resistance, high dielectric strength and outstanding resistance to a wide range of solvents and aggressive chemicals. It is biologically inert, thermally stable across a wide temperature range and is of a very low order of toxicity. In ZOTEK® F and ZOTEK® F HT, these properties are combined with light weight, flexural response, buoyancy and thermal and acoustic insulation. They are physically expanded using fabrication techniques such as sawing, properties derived from the foaming process. Like their parent resins, ZOTEK® F and ZOTEK® F HT foams are expected to exhibit outstanding durability and longevity.



PERFORMANCE INDICATIONS:

Fire Retardant Properties

ZOTEK® F and ZOTEK® F HT foams are inherently fire retardant, low smoke, low heat release materials. The materials have been tested to a variety of relevant fire standards including stringent aviation, aerospace and building materials standards.

Thermal Conductivity

The thermal conductivity of ZOTEK® F and ZOTEK® F HT grades has been tested in accordance with ISO, DIN and ASTM test methods at a range of temperatures.

Resistance to Fungal Growth

Selected ZOTEK® F and ZOTEK® F HT grades have been subjected to microbiological testing in accordance with RTCA DO1600, Category F, Section 13 and the results evaluated and laid out as per MIL-STD-81E method 508.4. Both products showed no fungal growth.

Biocompatibility

Selected ZOTEK® F and ZOTEK® F HT grades have been tested to the relevant sections of ISO 10993. The foams were shown to be suitable for use in medical surface devices in contact with the skin or surface devices in contact with mucosal membranes or breached or compromised surfaces for limited or prolonged exposure.

Chemical Resistance

General guidelines for chemical resistance of PVDF resins are that they exhibit excellent resistance to a wide range of chemicals. They are resistant to attack from most inorganic acids and alkalis, aliphatic and aromatic hydrocarbons, organic acids, alcohols and halogenated solvents. However, they are susceptible to attack from strong alkalis (i.e. pH>12) and strongly polar solvents (e.g. acetone, methyl ethyl ketone, ethyl acetate, dimethylformamide and dimethylacetamide).

Solvent Resistance

Selected ZOTEK® F and ZOTEK® F HT grades have been independently tested for resistance to a wide range of solvents including fuels, lubricating oils, de-watering fluids, hydraulic fluids and alcohol solvents. No cracking, deterioration, punctures or other detrimental effects were observed.

UV Resistance

Selected ZOTEK® F and ZOTEK® F HT grades have been tested and found to have exceptional UV resistance.

ZOTEK® F is a registered trademark of Zotefoams pl

