

---

---

# **gummi-plast**

Schild GmbH

Gernsheim



**Profiles of rubber, sponge rubber,  
silicone, foam silicone**

**D-64579 Gernsheim - Germany**

**Otto-Hahn-Straße 12**

**Telefon +49 (0) 62 58 / 932250**

**Telefax +49 (0) 62 58 / 4997**

**e-mail: [schild@gummi-plast.de](mailto:schild@gummi-plast.de)**

**internet: <http://www.gummi-plast.de>  
<http://www.gummi-plast.com>**

# complete overview of technical information

# list of contents

	side
sponge rubber in EPDM.....	3
sponge rubber in CR (Neoprene).....	4
sponge rubber in NBR (Perbunan) .....	5
sponge rubber in FPM/FKM (VITON®).....	6
foam silicone quality SPS.....	7
foam silicone quality SPS / FDA-conform.....	8
foam silicone quality SPS / HT .....	9
solid rubber in EPDM.....	10
comparsing between NAAM and combination gummi-plast.....	11
solid rubber in CR (Neoprene) .....	12
solid rubber in NBR (Perbunan).....	13
solid rubber in FPM/FKM (VITON®) .....	14
solid rubber in NR (Nature Rubber).....	15
silicone rubber .....	16
PVC edge protector profiles.....	17
self-adhesive tape for sponge rubber and solid rubber .....	18
self-adhesive tape <i>sk normal</i> for foam silicone and silicone.....	19
special physical information of FasTape 666 .....	20
self-adhesive tape <i>sk super</i> for foam silicone and silicone .....	21
our worksnorm for sponge rubber and solid rubber .....	22

## important:

Functioning and endurance lifetime of sealing materials are dependent especially on installation conditions, on which we have no effect as the producer. That's why we can guarantee only a flawless quality of our material. Our technical service is bases on experiences, the values are intended only as a source of information and are given without of guarantee and do not constitute a warranty. Any technical modifications are reserved by us.

VITON® = Entered registered trade mark of the company DuPont

FasTape = Entered registered trade mark of Avery International.

# technical information

## sponge rubber in EPDM

**elastomer:** ETHYLENE-PROPYLENE-DIENE TERPOLYMERS (EPDM)  
(no blend-quality)

**special characteristics:** continuous extruded and vulcanized  
  
no adhesive-connection  
  
100% cell-closed, all around closed skin even at cuts -  
there is no water absorption

**colour:** black  
(according to available request other colours)

**density:** a) ca. 0,5 g/cm<sup>3</sup>  
b) ca. 0,6 – 0,8 g/cm<sup>3</sup>

**dimensional tolerance:** according to DIN ISO 3302-1 E3

### resistance

**temperature:** from –35°C till +110°C

**ozone, weathering, uv-light:** black: very good to excellent  
grey: limited – in relationship of outlet

**oil and grease:** vegetable very good  
animal limited  
mineral moderate

**acid, alkaline, ketone, alcohol:** excellent

**lacquer:** inert – only by peroxide vulcanisation  
– not by sulphur vulcanisation

### important:

Our technical service is based on experiences, the values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Users should independently determine prior to use the suitability of this material for their purposes.

# technical information

## sponge rubber in CR (Neoprene)

<b>elastomer:</b>	POLYCHLOROPRENE (CR) (no blend-quality)
<b>special characteristics:</b>	continuous extruded and vulcanized  no adhesive-connection  100% cell-closed, all around closed skin even at cuts - there is no water absorption
<b>colour:</b>	black
<b>density:</b>	ca. 0,4 – 0,6 g/cm <sup>3</sup>
<b>dimensional tolerance:</b>	according to DIN ISO 3302-1 E3

### resistance

<b>temperature:</b>	from –35°C to +110°C
<b>ozone and weathering:</b>	very good
<b>oil and grease:</b>	limited resistant
<b>acid and alkaline:</b>	very good

### important:

Our technical service is based on experiences, the values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Users should independently determine prior to use the suitability of this material for their purposes.

# technical information

## sponge rubber in NBR (Perbunan)

<b>elastomer:</b>	ACRYLONITRIL-BUTADIENE-COPOLYMER (NBR)
<b>special characteristics:</b>	continuous extruded and vulcanized  no adhesive-connection  100% cell-closed, all around closed skin even at cuts - there is no water absorption
<b>colour:</b>	grey or black (according to available request other colours)
<b>density:</b>	ca. 0,35 g/cm <sup>3</sup>
<b>dimensional tolerance:</b>	according to DIN ISO 3302-1 E3
<b>compression set:</b>	at 50% deformation after 22 h with 23°C = after 24 h decharge ≤ 25%.

Information on compression set is a nominal value, as the compression set is dependent on the geometry of the test specimen. The test was made on a cross section profile 20 x 20 mm..

### resistance

<b>temperature:</b>	from -30°C till +80°C
<b>fire:</b>	not resistant
<b>ozone, weathering, uv-light:</b>	moderate
<b>stiffening in cold:</b>	good
<b>cold brittleness:</b>	good
<b>aliphatic hydrocarbon:</b>	good
<b>aromatic hydrocarbon:</b>	not resistant
<b>ketone:</b>	not resistant
<b>oil and grease:</b>	vegetable            very good animal                very good mineral                very good
<b>acid and alkaline:</b>	limited till not resistant
<b>water:</b>	moderate
<b>dielectric strength:</b>	moderate

### important:

Our technical service is based on experiences, the values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Users should independently determine prior to use the suitability of this material for their purposes.

# technical information

## sponge rubber in FPM/FMQ (VITON®)

<b>elastomer:</b>	FLUOR RUBBER (FPM/FMQ)
<b>special characteristics:</b>	continuous extruded and vulcanized  no adhesive-connection  100% cell-closed, all around closed skin even at cuts - there is no water absorption
<b>colour:</b>	black
<b>density:</b>	ca. 0,95 g/cm <sup>3</sup>
<b>dimensional tolerance:</b>	according to DIN ISO 3302-1 E3

### resistance

<b>temperature:</b>	from -20°C till +200°C, short-term +250 °C
<b>ozone, weathering, uv-light:</b>	very good
<b>fire characteristic:</b>	hard inflammable, self-extinguishing
<b>chemicals:</b>	excellent
<b>hydrochloric-/sulphonic acid (50%):</b>	very good
<b>nitric acid (60%):</b>	very good
<b>hydrocarbon:</b>	very good
<b>oil and lubricant:</b>	very good

### important:

Our technical service is based on experiences, the values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Users should independently determine prior to use the suitability of this material for their purposes.

# technical information

## foam silicone quality SPS

<b>elastomer:</b>	METHYLVINYLPOLYSILOXAN (VMQ)
<b>special characteristics:</b>	continuous extruded and vulcanized  100% cell-closed, all around closed skin  water and organic-productions refused physiological clean and bacteriological indifferent contains no poisonous material not corrosive – not adhering
<b>colour:</b>	white (according to available request other colours)
<b>density:</b>	ca. 0,25 – 0,55 g/cm <sup>3</sup>
<b>dimensional tolerance:</b>	according to DIN ISO 3302-1 E3 or ±10%

### resistance

<b>temperature:</b>	from –60°C till ca.+220°C
<b>weathering, age limit, ozone:</b>	excellent
<b>tropical-climate, ultraviolet rays:</b>	excellent
<b>radioactive- and x-rays:</b>	very good
<b>aliphatic motor- and gear oil:</b>	general good
<b>heat conductivity:</b>	0,18 – 0,23 Kcal. x s <sup>-1</sup> °C <sup>-1</sup>
<b>specific heat:</b>	0,3 cal. x gr <sup>-1</sup> °C <sup>-1</sup>
<b>fire characteristic:</b>	normal inflammable and not dropping fire class DIN 4102, section 1, B2

Physical-mechanical values are inclined from the cross-section of the profile. The quality performed the instructions of the American Material Specification AMS 3195.

### important:

Our technical service is based on experiences, the values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Users should independently determine prior to use the suitability of this material for their purposes.

# technical information

## foam silicone quality SPS / FDA conform

<b>elastomer:</b>	METHYLVINYLPOLYSILOXAN (VMQ)
<b>special characteristics:</b>	continuous extruded and vulcanized  100% cell-closed, all around closed skin  water and organic-productions refused physiological clean and bacteriological indifferent contains no poisonous material not corrosive – not adhering
<b>colour:</b>	nature
<b>density:</b>	0,40 g/cm <sup>3</sup>
<b>shore:</b>	15 ±5
<b>tensile strength:</b>	1,5 MPA
<b>elongation:</b>	300%
<b>resistance to tearing:</b>	5 kN
<b>compression set:</b>	after 22 hours with 100°C: < 50% (crushing 25%) (ASTM D 395-methode B)
<b>dimensional tolerance:</b>	according to DIN ISO 3302-1 E3 or ±10%
<b>resistance</b>	
<b>temperature:</b>	+200°C
<b>FDA conform:</b>	yes

**important:**

Our technical service is based on experiences, the values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Users should independently determine prior to use the suitability of this material for their purposes.

# technical information

## foam silicone quality SPS / HT

<b>elastomer:</b>	METHYLVINYLPOLYSILOXAN (VMQ)
<b>special characteristics:</b>	continuous extruded and vulcanized  100% cell-closed, all around closed skin  water and organic-productions refused physiological clean and bacteriological indifferent contains no poisonous material not corrosive – not adhering
<b>colour:</b>	white
<b>density:</b>	ca. 0,25 g/cm <sup>3</sup>
<b>dimensional tolerance:</b>	according to DIN ISO 3302-1 E3 or ±10%

### resistance

<b>temperature:</b>	from –60°C till ca.+220°C; for a short time till +300°C
<b>weathering, age limit, ozone:</b>	excellent
<b>tropical-climate, ultraviolet rays:</b>	excellent
<b>radioactive- and x-rays:</b>	very good
<b>aliphatic motor- and gear oil:</b>	general good
<b>heat conductivity:</b>	0,18 – 0,23 Kcal. x s <sup>-1</sup> °C <sup>-1</sup>
<b>specific heat:</b>	0,3 cal. x gr <sup>-1</sup> °C <sup>-1</sup>
<b>fire characteristic:</b>	normal inflammable and not dropping fire class DIN 4102, section 1, B2

Physical-mechanical values are inclined from the cross-section of the profile. The quality performed the instructions of the American Material Specification AMS 3195.

### important:

Our technical service is based on experiences, the values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Users should independently determine prior to use the suitability of this material for their purposes.

# technical information

## solid rubber in EPDM

<b>elastomer:</b>	ETHYLENE-PROPYLENE-DIENE-TERPOLYMERS (EPDM) (no blend-quality)
<b>special characteristics:</b>	homogenous  continuous extruded and vulcanized  no adhesive-connection
<b>colour:</b>	black (according to available request other colours)
<b>density:</b>	ca. 1,15 – 1,25 g/cm <sup>3</sup>
<b>shore:</b>	40 – 55 – 65 – 75 – 85 ±5
<b>dimensional tolerance:</b>	according to DIN ISO 3302-1 E2

### resistance

<b>temperature:</b>	from –35°C till +120°C
<b>ozone, weathering, uv-light:</b>	black: very good to excellent grey: limited – in relationship of outlet
<b>oil and grease:</b>	vegetable very good animal limited mineral moderate
<b>acid, base, ketone, alcohol:</b>	excellent
<b>lacquer:</b>	inert – only by peroxide vulcanisation – not by sulphur vulcanisation

### important:

Our technical service is based on experiences, the values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Users should independently determine prior to use the suitability of this material for their purposes.

**comparison between the instructions  
NAAM – DIN 7863  
and combination gummi-plast – EPDM  
hardness 60/65 shore**

**A:** 70 hours +100 °C

**B:** 7 days +100 °C

**C:** 14 days +100 °C

	<b>NAAM-Stand SG – 1 – 70</b>	<b>gummi-plast EPDM 60 Sh</b>			<b>DIN 7863</b>
<b>hardness shore A</b>	60 / 65 ±5	60 / 65 ±5			60 / 65 ±5
<b>tensile strength kg/cm<sup>2</sup></b>	mind. 127	120			mind. 85
<b>elongation at break %</b>	mind. 250	330			mind. 200
<b>compression set %</b>	mind. 25	24,5			max. 35
<b>age limit</b>	(70 h +100 °C) 70 h +100 °C	(70 h +100 °C) A   B   C			(22 h +100 °C) 7 days +100 °C
<b>Δ hardness (grade)</b>	max. +10	+0	+1	+4	max. +15 –5
<b>Δ tensile strength</b>	max. –15	+3	+5	+7	max. –25
<b>Δ elongation %</b>	max. –40	+1	+3	+3	max. –50
<b>examination at lower temperature (ASTMD – 746)</b>	-40 °C	acc. the ASTM – 746 examination satisfied			---
<b>examination at lower temperature (DIN 53505 7 days –10 °C)</b>	---	no information at order			+12 Sh
<b>ozone resistance</b>	no split (1 ppm. 20% expansibility 100 h +40 °C)	no split (1 ppm. 20% expansibility 100 h +40 °C)			no split (50 ppm. 20% expansibility 100 h +40 °C)

# technical information

## solid rubber in CR (Neoprene)

<b>elastomer:</b>	POLYCHLOROPRENE (CR)
<b>special characteristics:</b>	homogenous continuous extruded and vulcanized no adhesive-connection
<b>colour:</b>	black (according to available request other colours)
<b>density:</b>	ca. 1,35 – 1,45 g/cm <sup>3</sup>
<b>shore:</b>	50 – 60 – 70 – 80 ±5
<b>elongation at break:</b>	300 – 350%
<b>compression set:</b>	27 – 28%
<b>dimensional tolerance:</b>	according to DIN ISO 3302-1 E2

### resistance

<b>temperature:</b>	from –35°C till +110°C / short term +120°C	
<b>flame resistance:</b>	medium till good	
<b>ozone:</b>	good	
<b>water:</b>	good	
<b>oil and grease:</b>	vegetable animal mineral	limited till good limited till good limited till good
<b>fuel:</b>	not resistant	

### important:

Our technical service is based on experiences, the values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Users should independently determine prior to use the suitability of this material for their purposes.

# technical information

## solid rubber in NBR (Perbunan)

**elastomer:** ACRYLONITRIL-BUTADIENE-COPOLYMER (NBR)

**special characteristics:** homogenous  
continuous extruded and vulcanized  
no adhesive-connection

**colour:** black  
(according to available request other colours)

**density:** ca. 1,35 g/cm<sup>3</sup>

**shore:** 55 - 65 – 75 ±5

**dimensional tolerance:** according to DIN ISO 3302-1 E2

### resistance

**temperature:** from –35°C till +90°C

**fuel and grease:** excellent

**aliphatic hydrocarbon:** excellent

**water:** good

### important:

Our technical service is based on experiences, the values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Users should independently determine prior to use the suitability of this material for their purposes.

# technical information

## solid rubber in FPM/FMQ (VITON®)

<b>elastomer:</b>	FLUOR RUBBER (FPM/FMQ)
<b>special characteristics:</b>	continuous extruded and vulcanized
	no adhesive-connection
<b>colour:</b>	black
<b>density:</b>	ca. 1,88 g/cm <sup>3</sup>
<b>shore:</b>	60 – 70 - 75 ±5
<b>tensile strength:</b>	≥ 140 kg/cm <sup>2</sup>
<b>elongation:</b>	≥ 250 %
<b>resistance to tearing:</b>	≥ 25 kg/cm
<b>compression set:</b>	after 22 hours with 175 °C: ≤ 30% (crushing 25%)
<b>dimensional tolerance:</b>	according to DIN ISO 3302-1 E2

### resistance

<b>chemicals:</b>	excellent
<b>hydrochloric-/sulphonic acid (50%):</b>	very good
<b>nitric acid (60%):</b>	very good
<b>hydrocarbon:</b>	very good
<b>oil and lubricant:</b>	very good

#### age limit in warm air (70 hours to 275 °C):

change of hardness:	+5
change of tensile strength:	-35%
change of breaking strain:	-10%

#### age limit in fluid ASTM B (7 days at room-temperature):

change of hardness:	+2
change of volume:	+1,5%

#### age limit in fluid ASTM c (7 days at room-temperature):

change of hardness:	-5
change of volume:	+5%

#### important:

Our technical service is based on experiences, the values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Users should independently determine prior to use the suitability of this material for their purposes.

# technical informations

## solid rubber in NR (Nature Rubber)

<b>elastomer:</b>	NATURE RUBBER (NR/Para)
<b>special characteristics:</b>	homogenous continuous extruded and vulcanized no adhesive-connection
<b>colour:</b>	grey
<b>density:</b>	ca. 1,11 g/cm <sup>3</sup>
<b>shore:</b>	45 ±5
<b>elongation:</b>	550%
<b>tensile strength:</b>	16 MPa
<b>resistance to tearing:</b>	50 kN/m
<b>compression set:</b>	30% max.
<b>dimensional tolerance:</b>	according to DIN ISO 3302-1 E2

### resistance

<b>temperature:</b>	air oven (till 60°C) moderate
<b>stiffening in cold:</b>	good
<b>flame resistance:</b>	dissatisfied
<b>ozone and weathering:</b>	dissatisfied
<b>acid:</b>	dissatisfied
<b>alkaline:</b>	moderate
<b>water:</b>	good
<b>ketone:</b>	moderate
<b>oil and grease:</b>	dissatisfied
<b>aromatic hydrocarbon:</b>	dissatisfied
<b>solvent with chlorine:</b>	dissatisfied
<b>fuel:</b>	dissatisfied
<b>dielectric strength:</b>	moderate

### important:

Our technical service is based on experiences, the values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Users should independently determine prior to use the suitability of this material for their purposes.

# technical information

## silicone rubber

<b>elastomer:</b>	METHYLVINYLPOLYSILOXAN (VMQ)
<b>special characteristics:</b>	continuous extruded and vulcanized water - and organic-products refused scentless and no taste physiological clean and bacteriological indifferent repeatedly sterilizable contains no poisonous materials not corrosive – not adhesive
<b>colour:</b>	translucent
<b>density:</b>	ca. 1,20 g/cm <sup>3</sup>
<b>hardness:</b>	60° shore A
<b>tensile strength:</b>	90 kg/cm <sup>3</sup>
<b>elongation:</b>	420%
<b>resistance to tearing:</b>	18 kg/cm
<b>dimensional tolerance:</b>	according to DIN ISO 3302-1 E3
<b>compressing set:</b>	after 22 hours with 175°C: 34%
<b>resistance</b>	
<b>temperature:</b>	from -70°C till ca. +220°C – special quality till +250/300°C
<b>weathering, age limit, ozone:</b>	excellent
<b>tropical-climate, ultraviolet rays:</b>	excellent
<b>radioactive- and x-rays:</b>	very good
<b>aliphatic motor- and gear oil:</b>	generally good
<b>distilled water:</b>	very good
<b>seawater:</b>	excellent
<b>chemical resistance:</b>	ask for the different cases with specification of chemical substance
<b>vapour resistance:</b>	1,5 – 2 bar short-term
<b>heat conductivity:</b>	0,18 – 0,23 Kcal. x s <sup>-1</sup> °C <sup>-1</sup>
<b>specific heat:</b>	0,3 cal. x gr <sup>-1</sup> °C <sup>-1</sup>
<b>specific volume resistance:</b>	3 x 10 <sup>15</sup> - 10 <sup>16</sup> Ohm/cm
<b>dielectric tangente by 1 MHz:</b>	2,8 – 3
<b>loss tangente by 1 MHz:</b>	1,10 – 2,50 x 10 <sup>-3</sup>
<b>breakdown strength 2 mm:</b>	16 KV/mm

Physical-mechanical values are inclined from the cross-section of the profile. The quality performed the instructions of the American Material Specification AMS 3195.

### important:

Our technical service is based on experiences, the values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Users should independently determine prior to use the suitability of this material for their purposes.

## technical information

# PVC edge protector profiles with embedded steel base strip

<b>material:</b>	<u>basic profile:</u>	soft-PVC	75 ±5 shore
	<u>retentionlips:</u>	elastic-PVC	57 ±5 shore
	<u>steelband:</u>	ST 4	16 x 0,3 mm
	<u>tightreach:</u>	sponge rubber EPDM-quality – according your request other qualities	

**special characteristics:** continuous extruded  
metal tape broken  
no adhesive-connection

**colour:** black, white, silver  
(according to available request other colours)

**dimensional tolerance:** according to DIN 16941  
as combination for sponge rubber according to  
DIN ISO 3302-1 E3

### resistance

**temperature:** from –35°C till +80°C

**ozone, weathering, uv-light:** good

**oil and grease:**

vegetable	inconstant
animal	inconstant
mineral	moderate till inconstant

**acid, base, ketone, alcohol:** moderate till inconstant

### important:

Our technical service is based on experiences, the values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Users should independently determine prior to use the suitability of this material for their purposes.

# self-adhesive tape for sponge rubber and solid rubber

Typ FasTape 666\* (polyester scrim)

## description

666 is a double coated polyester scrim designed for bonding foamed synthetic rubbers and plastics in the production of gasketing and for cold; it is intended as a support for mainting.

## structure

adhesive: Permanent synthetic rubber clue adhesive typified by an extremely high tack and high shear performance.  
carrier: Polyester scrim.  
cover: Brown impregnated silicone paper.

## benefits

- Provides excellent initial adhesion to a wide variety of materials.
- Good bonding to uneven surfaces.

## surface preparation

It is essential, as with all pressure-sensitive tapes, that the surface to which the tape is applied is clean, dry and free of grease and oil.

## storage and shelf life

6 months when stored at 21°C (70°F), 50% relative humidity, out of direct sunlight.

## important

Information on the above characteristics is based upon tests we believe to be reliable. The values given are typical values that vary according to application conditions. The values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine prior to use the suitability of this material for their purposes.

\*FasTape = Entered registered trade mark of Avery International.

# self-adhesive tape *sk normal* for foam silicone and silicone

Typ FasTape 666\* (polyester scrim)

## description

666 is a double coated polyester scrim designed for bonding foamed synthetic rubbers and plastics in the production of gasketing and for cold; it is intended as a support for mainting.

## structure

adhesive: Permanent synthetic rubber glue adhesive typified by an extremely high tack and high shear performance.  
carrier: Polyester scrim.  
cover: Brown impregnated silicone paper.

## benefits

- Provides excellent initial adhesion to a wide variety of materials.
- Good bonding to uneven surfaces.

## surface preparation

It is essential, as with all pressure-sensitive tapes, that the surface to which the tape is applied is clean, dry and free of grease and oil.

## storage and shelf life

6 months when stored at 21°C (70°F), 50% relative humidity, out of direct sunlight.

## important

Information on the above characteristics is based upon tests we believe to be reliable. The values given are typical values that vary according to application conditions. The values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine prior to use the suitability of this material for their purposes.

\*FasTape = Entered registered trade mark of Avery International.

## special physical information of FasTape 666

physical properties	typical values		units	testmethods
<b>thickness</b> adhesive + carrier	190		microns	FTM.7
liner	75		microns	
total	265		microns	
<b>elongation</b>	25		%	
<b>tensile strength</b>	2.0		kN/m	
<b>tack (FINAT)</b>	1.450		N/m	FINAT.9 FTM.8
<b>adhesion (180° peel)</b>	(20 min.)	(24 h)	N/m	FINAT.1 PSTC.1
stainless steel	2.000	2.200		
aluminium	2.000	2.200		
painted steel	2.000	2.200		
ABS	2.000	2.200		
EPDM, expended	920	920		
hard-PVC	2.100	2.100		
polystyrene	2.000	2.400		
polycarbonat	2.100	2.100		
plywood	850	1.900		
<b>shear resistance</b> (static, 500g)	60		ks	FTM.2 FINAT.8 PSTC.7
<b>temperatures</b>				
application (min.)	+10		°C	
service:				
continous	-40 / +65		°C	
short terme	+70		°C	

## self-adhesive tape *sk super* for foam silicon and silicon

<b>carrier-type:</b>	polyester
<b>carrier-thickness:</b>	0,025 mm
<b>adhesive-type:</b>	mod. polysiloxan
<b>adhesive quantity:</b>	each side ca. 0,075 mm
<b>total thickness:</b>	ca. 0,175 mm
<b>cover:</b>	PVC backing tape
<b>adhesive-strength – departure of a plate:</b>	2 – 4 N/cm
<b>breaking force:</b>	30 – 40 N/10 mm
<b>breaking extension:</b>	20 – 30%
<b>inflammability:</b>	Bu1
<b>warmness:</b>	B
<b>temperature:</b>	from –30°C till +180°C

**important:**

Our technical service is based on experiences, the values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Users should independently determine prior to use the suitability of this material for their purposes.

**our worksnorm  
to lean on the DIN ISO 3302-1  
class E 3, E2 and E 1**

**This edition invalidates any previous versions.**

scale in mm	tolerance group E 3 in mm	tolerance group E 2 in mm	tolerance group E 1 in mm
0 to 1,5	± 0,40	± 0,25	± 0,15
over 1,5 to 2,5	± 0,50	± 0,35	± 0,20
over 2,5 to 4	± 0,70	± 0,40	± 0,25
over 4 to 6,3	± 0,80	± 0,50	± 0,35
over 6,3 to 10	± 1,00	± 0,70	± 0,40
over 10 to 16	± 1,30	± 0,80	± 0,50
over 16 to 25	± 1,60	± 1,00	± 0,70
over 25 to 40	± 2,00	± 1,30	± 0,80
over 40 to 63	± 2,50	± 1,60	± 1,00
over 63 to 100	± 3,20	± 2,00	± 1,30
over 100 to 250	± 4,00	± 2,25	
over 250 to 315	± 5,00	± 2,50	
over 315 to 400	± 6,00	± 3,00	
over 400 to 500	± 7,00	± 3,50	

At one-sided tolerance, therefore only at + or at -, is the declared tolerance quantity doubled, insted of ± 0,50 mm, +1,00 or -1,00 mm.