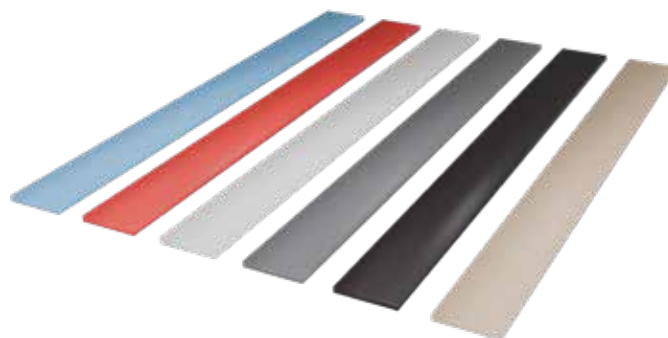


PRODUCT DATA SHEET

SONOTEC V2

PRODUCT DESCRIPTION

The SonoTec V2 linear bearings enable unwanted flank sound transmission to be reduced significantly thanks to precise acoustic control. The bearings are available in six variants with hardness levels of up to 58 Shore A and are even suitable for use in high-rise structures. This produces an improvement in the real assessed sound insulation measurement R'_w of up to 7 dB. Thanks to their great versatility, the bearings can be used in combination with CLT, GLT, LVL, steel and concrete structures. When SonoTec V2 is used, no additional sound decoupling is required with the CLT angle brackets as this has been verified and confirmed.



PROPERTIES / ADVANTAGES

- Resistant, waterproof and airtight
- Consistent quality
- Tested for harmful substances and safe
- Environmentally friendly
- Tested real sound insulation measurement R'_w up to 7 dB
- Six variants with hardnesses of up to 58 Shore
- Versatile uses (CLT, GLT, LVL, steel and concrete)

PRODUCT DATA SHEET

SONOTEC V2

MATERIAL

THERMOPLASTIC POLYMER – QUALITY, ENVIRONMENTAL AWARENESS AND PRECISION

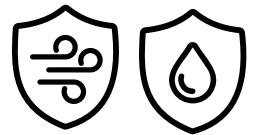
The SonoTec V2 is more than just a strip that provides sound insulation – it is the result of modern material technology. Made from a high-quality thermoplastic polymer, it combines excellent sound insulation with exceptional durability and precise dimensional stability.

The innovative polymer delivers effective sound absorption, reduces disruptive vibrations and guarantees long-term functional reliability, even in varying temperatures or when subjected to mechanical stresses. Its closed, fine structure allows for easy processing and clean edges – making it ideal for professional use.

The SonoTec V2 also leads the way when it comes to sustainability: The thermoplastic material is recyclable, environmentally friendly and bears the SG seal for materials that have been tested for harmful substances – providing maximum safety and a good feeling with every application. With the SonoTec V2, you are choosing quality, environmental awareness and acoustic precision. The line bearings were developed specifically to dampen noise and make rooms noticeably quieter.

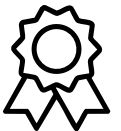
WATERPROOF AND AIRTIGHT

SonoTec V2 offers reliable protection against moisture and air penetration. Its dense polymer structure ensures that it remains fully water-repellent and gas-tight, even under pressure or when there are temperature fluctuations.



ENDURING QUALITY

The SonoTec V2 impresses with its constant stability and long-lasting elasticity. The material retains its shape and function even when it is used intensively. There is no structural failure, even after many years of use. In addition, it is resistant to cracks, UV radiation and many chemicals and resistant to oils and greases. For consistent performance you can rely on.



TESTED FOR HARMFUL SUBSTANCES AND SAFE

SonoTec V2 is renowned for maximum material purity and safety. It is free of DEHP, latex proteins, nanomaterials and carcinogenic substances, which means it can be used safely in sensitive areas. Tested by the renowned Pirmasens Testing and Research Institute and awarded the SG seal for materials that have been tested for harmful substances, the SonoTec V2 guarantees maximum safety and confidence – Made in Germany.



ENVIRONMENTALLY FRIENDLY AND SUSTAINABLE

SonoTec V2 was developed with a focus on the environment and conserving resources. The thermoplastic polymer that is used is recyclable and enables eco-conscious recycling. Thanks to its long lifespan and the fact it can be reused, the SonoTec V2 makes a lasting contribution to preventing waste – delivering technology with responsibility.



PRODUCT DATA SHEET

SONOTEC V2

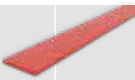
PRODUCT TABLE

SonoTec V2							
Art. no.	Designation	Dimension [mm]			Colour	Hardness [Shore A]	PU
		Length	Width	Height			
946360	SonoTec V2 25 - 80	1150	80	10	Light blue	25	20
946340	SonoTec V2 25 - 100	1150	100	10	Light blue	25	20
946361	SonoTec V2 25 - 120	1150	120	10	Light blue	25	20
946362	SonoTec V2 25 - 140	1150	140	10	Light blue	25	20
946364	SonoTec V2 30 - 80	1150	80	10	Red	30	20
946341	SonoTec V2 30 - 100	1150	100	10	Red	30	20
946365	SonoTec V2 30 - 120	1150	120	10	Red	30	20
946366	SonoTec V2 30 - 140	1150	140	10	Red	30	20
946367	SonoTec V2 30 - 160	1150	160	10	Red	30	20
946346	SonoTec V2 35 - 100	1160	100	10	Light grey	35	20
946369	SonoTec V2 35 - 120	1160	120	10	Light grey	35	20
946370	SonoTec V2 35 - 140	1160	140	10	Light grey	35	20
946371	SonoTec V2 35 - 160	1160	160	10	Light grey	35	20
946342	SonoTec V2 40 - 100	1140	100	10	White	40	20
946373	SonoTec V2 40 - 120	1140	120	10	White	40	20
946374	SonoTec V2 40 - 140	1140	140	10	White	40	20
946375	SonoTec V2 40 - 160	1140	160	10	White	40	20
946343	SonoTec V2 50 - 100	1120	100	10	Stone	50	20
946377	SonoTec V2 50 - 120	1120	120	10	Stone	50	20
946378	SonoTec V2 50 - 140	1120	140	10	Stone	50	20
946379	SonoTec V2 50 - 160	1120	160	10	Stone	50	20
946344	SonoTec V2 58 - 100	1100	100	10	Black	58	20
946381	SonoTec V2 58 - 120	1100	120	10	Black	58	20
946382	SonoTec V2 58 - 140	1100	140	10	Black	58	20
946383	SonoTec V2 58 - 160	1100	160	10	Black	58	20

PRODUCT DATA SHEET

SONOTEC V2

COMPARISON OF PRODUCTS AT A GLANCE

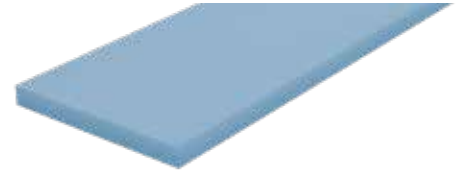
Product		Strength	Max. applicable load (compression 2 mm)[N/mm ²]	Acoustic improvement in real airborne sound insulation measurement $\Delta R'w$ [dB]	Dynamic modulus of elasticity $E' 5 \text{ Hz} - E' 50 \text{ Hz}$ [MPa]	Loss modulus $E'' 5 \text{ Hz} - E'' 50 \text{ Hz}$ [MPa]	Damping factor $\tan \delta 5 \text{ Hz} - \tan \delta 50 \text{ Hz}$
SonoTec V2 25		10	0,157	7	1,63-2,33	0,20-0,34	0,12-0,14
SonoTec V2 30		10	0,194	6-7	1,85-2,61	0,25-0,41	0,13-0,16
SonoTec V2 35		10	0,247	6-7	2,83-3,85	0,36-0,57	0,13-0,15
SonoTec V2 40		10	0,371	6-7	3,84-5,62	0,48-0,78	0,13-0,14
SonoTec V2 50		10	0,637	6-7	6,07-8,76	0,79-1,20	0,13-0,14
SonoTec V2 58		10	1,25	6-7	9,34-14,21	1,12-1,97	0,12-0,14



PRODUCT DATA SHEET

SONOTEC V2

SONOTEC V2 25



Art. no.	Designation	Dimensions [mm]			Colour	Hardness [Shore A]	PU
		Length	Width	Height			
946360	SonoTec V2 25 - 80	1150	80	10	Light blue	25	20
946340	SonoTec V2 25 - 100	1150	100	10	Light blue	25	20
946361	SonoTec V2 25 - 120	1150	120	10	Light blue	25	20
946362	SonoTec V2 25 - 140	1150	140	10	Light blue	25	20

Technical specifications

Properties	Value	Test standard
Acoustic improvement $\Delta R'w^{(1)}$	7 dB	DIN 16283-1
Maximum pressure with 1 mm deformation (10 %)	0,130 N/mm ²	DIN EN ISO 844
Maximum pressure with 2 mm deformation (20 %)	0,157 N/mm ²	DIN EN ISO 844
Dynamic modulus of elasticity $E'S$ Hz- E' -50 Hz	1,63-2,33 N/mm ²	ISO 4664-1
Loss modulus $E''S$ Hz- E'' -50 Hz	0,20-0,34 N/mm ²	ISO 4664-1
Damping factor $\tan \delta$ 5 Hz- $\tan \delta$ 50 Hz	0,12-0,14	ISO 4664-1
Compression set c.s.	11,4 %	DIN EN ISO 844
Fire performance	Class F	DIN EN 13501-1

¹⁾ $\Delta R'w = R'w$ with SonoTec – $R'w$ without SonoTec. Value may be lower if the optimum load is not complied with.

SONOTEC V2 30



Art. no.	Designation	Dimensions [mm]			Colour	Hardness [Shore A]	PU
		Length	Width	Height			
946341	SonoTec V2 30 - 100	1150	100	10	Red	30	20
946365	SonoTec V2 30 - 120	1150	120	10	Red	30	20
946366	SonoTec V2 30 - 140	1150	140	10	Red	30	20
946367	SonoTec V2 30 - 160	1150	130	10	Red	30	20

Technical specifications

Properties	Value	Test standard
Acoustic improvement $\Delta R'w^{(1)}$	6-7 dB	DIN 16283-1
Maximum pressure with 1 mm deformation (10 %)	0,162 N/mm ²	DIN EN ISO 844
Maximum pressure with 2 mm deformation (20 %)	0,194 N/mm ²	DIN EN ISO 844
Dynamic modulus of elasticity $E'S$ Hz- E' -50 Hz	1,85-2,61 N/mm ²	ISO 4664-1
Loss modulus $E''S$ Hz- E'' -50 Hz	0,25-0,41 N/mm ²	ISO 4664-1
Damping factor $\tan \delta$ 5 Hz- $\tan \delta$ 50 Hz	0,13-0,16	ISO 4664-1
Compression set c.s.	10,0 %	DIN EN ISO 844
Fire performance	Class E	DIN EN 13501-1

¹⁾ $\Delta R'w = R'w$ with SonoTec – $R'w$ without SonoTec. Value may be lower if the optimum load is not complied with.

PRODUCT DATA SHEET

SONOTEC V2

SONOTEC V2 35



Art. no.	Designation	Dimensions [mm]			Colour	Hardness [Shore A]	PU
		Length	Width	Height			
946346	SonoTec V2 35 - 100	1160	100	10	Light grey	35	20
946369	SonoTec V2 35 - 120	1160	120	10	Light grey	35	20
946370	SonoTec V2 35 - 140	1160	140	10	Light grey	35	20
946371	SonoTec V2 35 - 160	1160	160	10	Light grey	35	20

Technical specifications

Properties	Value	Test standard
Acoustic improvement $\Delta R'w^{1)}$	6-7 dB	DIN 16283-1
Maximum pressure with 1 mm deformation (10 %)	0,214 N/mm ²	DIN EN ISO 844
Maximum pressure with 2 mm deformation (20 %)	0,247 N/mm ²	DIN EN ISO 844
Dynamic modulus of elasticity E''5 Hz-E''-50 Hz	2,83-3,85 N/mm ²	ISO 4664-1
Loss modulus E''5 Hz-E''-50 Hz	0,36-0,57 N/mm ²	ISO 4664-1
Damping factor $\tan \delta$ 5 Hz- $\tan \delta$ 50 Hz	0,13-0,15	ISO 4664-1
Compression set c.s.	10,2 %	DIN EN ISO 844
Fire performance	Class E	DIN EN 13501-1

¹⁾ $\Delta R'w = R'w$ with SonoTec – $R'w$ without SonoTec. Value may be lower if the optimum load is not complied with.

SONOTEC V2 40



Art. no.	Designation	Dimensions [mm]			Colour	Hardness [Shore A]	PU
		Length	Width	Height			
946342	SonoTec V2 40 - 100	1140	100	10	White	40	20
946373	SonoTec V2 40 - 120	1140	120	10	White	40	20
946374	SonoTec V2 40 - 140	1140	140	10	White	40	20
946375	SonoTec V2 40 - 160	1140	160	10	White	40	20

Technical specifications

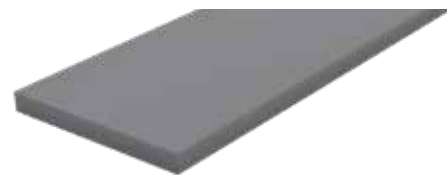
Properties	Value	Test standard
Acoustic improvement $\Delta R'w^{1)}$	6-7 dB	DIN 16283-1
Maximum pressure with 1 mm deformation (10 %)	0,319 N/mm ²	DIN EN ISO 844
Maximum pressure with 2 mm deformation (20 %)	0,371 N/mm ²	DIN EN ISO 844
Dynamic modulus of elasticity E''5 Hz-E''-50 Hz	3,84-5,62 N/mm ²	ISO 4664-1
Loss modulus E''5 Hz-E''-50 Hz	0,48-0,78 N/mm ²	ISO 4664-1
Damping factor $\tan \delta$ 5 Hz- $\tan \delta$ 50 Hz	0,13-0,14	ISO 4664-1
Compression set c.s.	9,9 %	DIN EN ISO 844
Fire performance	Class E	DIN EN 13501-1

¹⁾ $\Delta R'w = R'w$ with SonoTec – $R'w$ without SonoTec. Value may be lower if the optimum load is not complied with.

PRODUCT DATA SHEET

SONOTEC V2

SONOTEC V2 50



Art. no.	Designation	Dimensions [mm]			Colour	Hardness [Shore A]	PU
		Length	Width	Height			
946343	SonoTec V2 50 - 100	1120	100	10	Stone	50	20
946377	SonoTec V2 50 - 120	1120	120	10	Stone	50	20
946378	SonoTec V2 50 - 140	1120	140	10	Stone	50	20
946379	SonoTec V2 50 - 160	1120	160	10	Stone	50	20

Technical specifications

Properties	Value	Test standard
Acoustic improvement $\Delta R'w^{(1)}$	6-7 dB	DIN 16283-1
Maximum pressure with 1 mm deformation (10 %)	0,591 N/mm ²	DIN EN ISO 844
Maximum pressure with 2 mm deformation (20 %)	0,637 N/mm ²	DIN EN ISO 844
Dynamic modulus of elasticity E'S Hz-E'-50 Hz	6,07-8,76 N/mm ²	ISO 4664-1
Loss modulus E''S Hz-E''-50 Hz	0,79-1,20 N/mm ²	ISO 4664-1
Damping factor $\tan \delta$ 5 Hz- $\tan \delta$ 50 Hz	0,13-0,14	ISO 4664-1
Compression set c.s.	13,4 %	DIN EN ISO 844
Fire performance	Class E	DIN EN 13501-1

¹⁾ $\Delta R'w=R'w$ with SonoTec – $R'w$ without SonoTec. Value may be lower if the optimum load is not complied with.

SONOTEC V2 58



Art. no.	Designation	Dimensions [mm]			Colour	Hardness [Shore A]	PU
		Length	Width	Height			
946344	SonoTec V2 58 - 100	1100	100	10	Black	58	20
946381	SonoTec V2 58 - 120	1100	120	10	Black	58	20
946382	SonoTec V2 58 - 140	1100	140	10	Black	58	20
946383	SonoTec V2 58 - 160	1100	160	10	Black	58	20

Technical specifications

Properties	Value	Test standard
Acoustic improvement $\Delta R'w^{(1)}$	6-7 dB	DIN 16283-1
Maximum pressure with 1 mm deformation (10 %)	1,075 N/mm ²	DIN EN ISO 844
Maximum pressure with 2 mm deformation (20 %)	1,250 N/mm ²	DIN EN ISO 844
Dynamic modulus of elasticity E'S Hz-E'-50 Hz	9,34-14,21 N/mm ²	ISO 4664-1
Loss modulus E''S Hz-E''-50 Hz	1,12-1,97 N/mm ²	ISO 4664-1
Damping factor $\tan \delta$ 5 Hz- $\tan \delta$ 50 Hz	0,12-0,14	ISO 4664-1
Compression set c.s.	15,2 %	DIN EN ISO 844
Fire performance	Class E	DIN EN 13501-1

¹⁾ $\Delta R'w=R'w$ with SonoTec – $R'w$ without SonoTec. Value may be lower if the optimum load is not complied with.

If you are not familiar with how this product is used, and particularly with the product's intended use, please contact our Application Technology department (Technik@eurotec.team).