Regupol® vibration 200

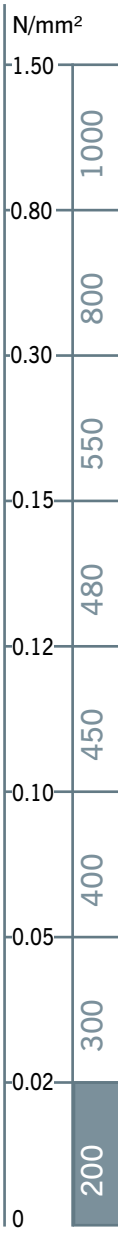
3.1

Standard forms of delivery, ex warehouse
Rolls
Thickness: 17 mm, dimpled
Length: 10,000 mm, special lengths available
Width: 1,250 mm

Stripping/Plates
On request
Die-cutting, water-jet cutting, self-adhesive versions possible

Continuous static load
0.02 N/mm²
Continuous and variable loads/operating load range
0.05 N/mm²

Static modulus of elasticity	Based on EN 826	0.02 - 0.08	N/mm²	Tangential modulus, see figure “Modulus of elasticity”
Dynamic modulus of elasticity	Based on DIN 53513	0.05 - 0.38	N/mm²	Depending on frequency, load and thickness, see figure “dynamic stiffness“
Mechanical loss factor	DIN 53513	0.22	[-]	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	3.1	%	Measured 30 minutes after decompression with 50% deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	0.12	N/mm²	
Elongation at break	Based on DIN EN ISO 1798	40	%	
Tear resistance	Based on DIN ISO 34-1	1.0	N/mm	
Fire behaviour	DIN 4102 DIN EN 13501	B2 E	[-] [-]	Normal flammability
Sliding friction	BSW-laboratory BSW-laboratory	0.7 0.8	[-] [-]	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	14	kPa	Compressive stress at 25 % deformation
Rebound elasticity	Based on DIN EN ISO 8307	14	%	dependent on thickness, test specimen h = 25 mm
Force reduction	DIN EN 14904	73	%	dependent on thickness, test specimen h = 25 mm



Regupol® vibration 300

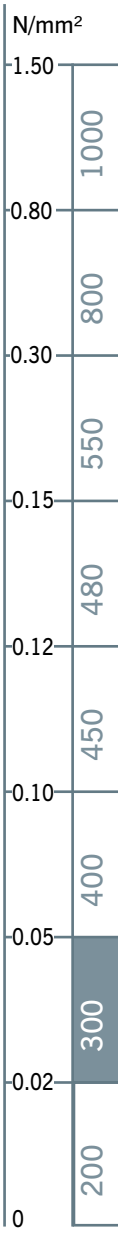
3.2

Standard forms of delivery, ex warehouse
Rolls
Thickness: 17 mm, dimpled
Length: 10,000 mm, special lengths available
Width: 1,250 mm

Stripping/Plates
On request
Die-cutting, water-jet cutting, self-adhesive versions possible

Continuous static load
0.05 N/mm²
Continuous and variable loads/operating load range
0.08 N/mm²

Static modulus of elasticity	Based on EN 826	0.1 - 0.2	N/mm²	Tangential modulus, see figure “Modulus of elasticity”
Dynamic modulus of elasticity	Based on DIN 53513	0.2 - 1.4	N/mm²	Depending on frequency, load and thickness, see figure “dynamic stiffness“
Mechanical loss factor	DIN 53513	0.18	[-]	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	1.6	%	Measured 30 minutes after decompression with 50% deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	0.30	N/mm²	
Elongation at break	Based on DIN EN ISO 1798	55	%	
Tear resistance	Based on DIN ISO 34-1	2.1	N/mm	
Fire behaviour	DIN 4102 DIN EN 13501	B2 E	[-] [-]	Normal flammability
Sliding friction	BSW-laboratory BSW-laboratory	0.7 0.8	[-] [-]	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	50	kPa	Compressive stress at 25 % deformation test specimen h = 51 mm
Rebound elasticity	Based on DIN EN ISO 8307	10	%	dependent on thickness, test specimen h = 51 mm
Force reduction	DIN EN 14904	73	%	dependent on thickness, test specimen h = 51 mm
Ozone resistance	DIN EN ISO 17025	Cracking stage 0	[-]	



Regupol® vibration 400

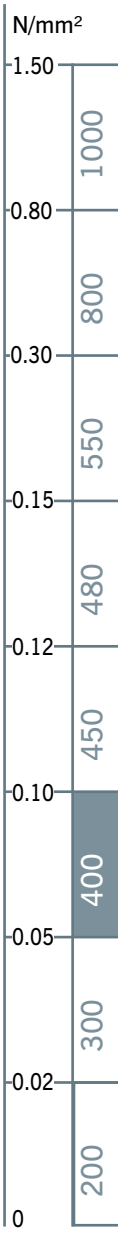
3.3

Standard forms of delivery, ex warehouse
Rolls
Thickness: 15 mm, dimpled
Length: 10,000 mm, special lengths available
Width: 1,250 mm

Stripping/Plates
On request
Die-cutting, water-jet cutting, self-adhesive versions possible

Continuous static load
0.10 N/mm²
Continuous and variable loads/operating load range
0.15 N/mm²

Static modulus of elasticity	Based on EN 826	0.3 - 0.55	N/mm²	Tangential modulus, see figure “Modulus of elasticity”
Dynamic modulus of elasticity	Based on DIN 53513	0.9 - 2.4	N/mm²	Depending on frequency, load and thickness, see figure “dynamic stiffness“
Mechanical loss factor	DIN 53513	0.17	[-]	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	2.1	%	Measured 30 minutes after decompression with 50% deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	0.34	N/mm²	
Elongation at break	Based on DIN EN ISO 1798	55	%	
Tear resistance	Based on DIN ISO 34-1	3.2	N/mm	
Fire behaviour	DIN 4102 DIN EN 13501	B2 E	[-] [-]	Normal flammability
Sliding friction	BSW-laboratory BSW-laboratory	0.7 0.8	[-] [-]	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	180	kPa	Compressive stress at 25 % deformation test specimen h = 60 mm
Rebound elasticity	Based on DIN EN ISO 8307	22	%	dependent on thickness, test specimen h = 60 mm
Force reduction	DIN EN 14904	73	%	dependent on thickness, test specimen h = 60 mm
Ozone resistance	DIN EN ISO 17025	Cracking stage 0	[-]	



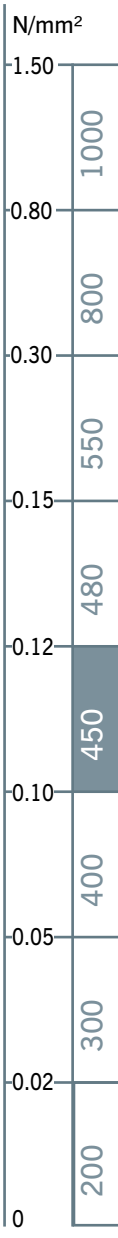
Regupol® vibration 450

Standard forms of delivery, ex warehouse
Plates

Thickness:	50 mm, special thickness available
Length:	1,000 mm
Width:	500 mm

Continuous static load
0.12 N/mm²
Continuous and variable loads/operating load range
0.18 N/mm²

Static modulus of elasticity	Based on EN 826	0.2 - 0.4	N/mm²	Tangential modulus, see figure “Modulus of elasticity”
Dynamic modulus of elasticity	Based on DIN 53513	0.45 - 2.7	N/mm²	Depending on frequency, load and thickness, see figure “dynamic stiffness“
Mechanical loss factor	DIN 53513	0.2	[-]	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	4.1	%	Measured 30 minutes after decompression with 50% deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	0.15	N/mm²	
Elongation at break	Based on DIN EN ISO 1798	40	%	
Tear resistance	Based on DIN ISO 34-1	1.9	N/mm	
Fire behaviour	DIN 4102 DIN EN 13501	B2 E	[-] [-]	Normal flammability
Sliding friction	BSW-laboratory BSW-laboratory	0.5 0.6	[-] [-]	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	83	kPa	Compressive stress at 25 % deformation test specimen h = 50 mm
Rebound elasticity	Based on DIN EN ISO 8307	42.7	%	dependent on thickness, test specimen h = 50 mm
Force reduction	DIN EN 14904	74	%	dependent on thickness, test specimen h = 50 mm
Ozone resistance	DIN EN ISO 17025	Cracking stage 0	[-]	



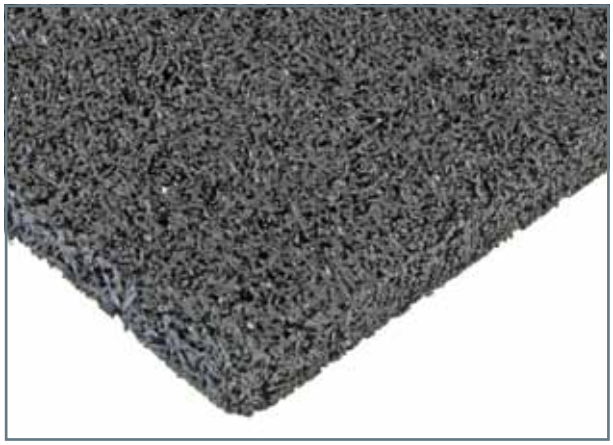
Regupol® vibration 480

3.5

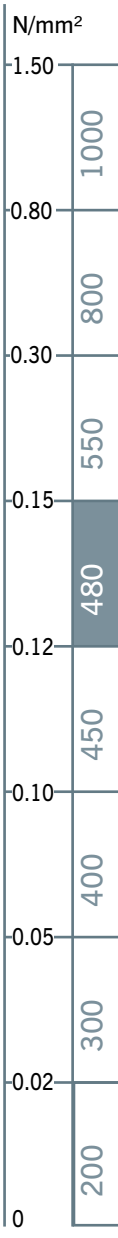
Standard forms of delivery, ex warehouse
Rolls
Thickness: 15 mm
Length: 10,000 mm, special length available
Width: 1,250 mm

Stripping/Plates
On request
Die-cutting, water-jet cutting, self-adhesive versions possible

Continuous static load
0.15 N/mm²
Continuous and variable loads/operating load range
0.25 N/mm²



Static modulus of elasticity	Based on EN 826	0.25 - 0.8	N/mm²	Tangential modulus, see figure “Modulus of elasticity”
Dynamic modulus of elasticity	Based on DIN 53513	1.2 - 3.3	N/mm²	Depending on frequency, load and thickness, see figure “dynamic stiffness“
Mechanical loss factor	DIN 53513	0.17	[-]	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	3.0	%	Measured 30 minutes after decompression with 50% deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	0.36	N/mm²	
Elongation at break	Based on DIN EN ISO 1798	55	%	
Tear resistance	Based on DIN ISO 34-1	4.5	N/mm	
Fire behaviour	DIN 4102 DIN EN 13501	B2 E	[-] [-]	Normal flammability
Sliding friction	BSW-laboratory BSW-laboratory	0.7 0.8	[-] [-]	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	220	kPa	Compressive stress at 25 % deformation test specimen h = 60 mm
Rebound elasticity	Based on DIN EN ISO 8307	31	%	dependent on thickness, test specimen h = 60 mm
Force reduction	DIN EN 14904	72	%	dependent on thickness, test specimen h = 60 mm
Ozone resistance	DIN EN ISO 17025	Cracking stage 0	[-]	



Regupol® vibration 550

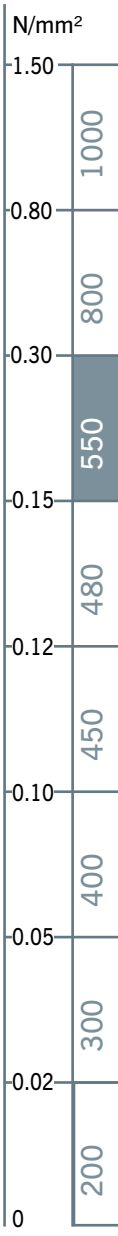
3.6

Standard forms of delivery, ex warehouse
Rolls
Thickness: 15 mm
Length: 10,000 mm, special length available
Width: 1,250 mm

Stripping/Plates
On request
Die-cutting, water-jet cutting, self-adhesive versions possible

Continuous static load
0.30 N/mm²
Continuous and variable loads/operating load range
0.40 N/mm²

Static modulus of elasticity	Based on EN 826	0.5 - 1.7	N/mm²	Tangential modulus, see figure "Modulus of elasticity"
Dynamic modulus of elasticity	Based on DIN 53513	2.5 - 7.0	N/mm²	Depending on frequency, load and thickness, see figure "dynamic stiffness"
Mechanical loss factor	DIN 53513	0.16	[-]	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	3.4	%	Measured 30 minutes after decompression with 50% deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	0.6	N/mm²	
Elongation at break	Based on DIN EN ISO 1798	65	%	
Tear resistance	Based on DIN ISO 34-1	5.0	N/mm	
Fire behaviour	DIN 4102 DIN EN 13501	B2 E	[-] [-]	Normal flammability
Sliding friction	BSW-laboratory BSW-laboratory	0.7 0.8	[-] [-]	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	415	kPa	Compressive stress at 25 % deformation test specimen h = 60 mm
Rebound elasticity	Based on DIN EN ISO 8307	36	%	dependent on thickness, test specimen h = 60 mm
Force reduction	DIN EN 14904	65	%	dependent on thickness, test specimen h = 60 mm
Ozone resistance	DIN EN ISO 17025	Cracking stage 0	[-]	



Regupol® vibration 800

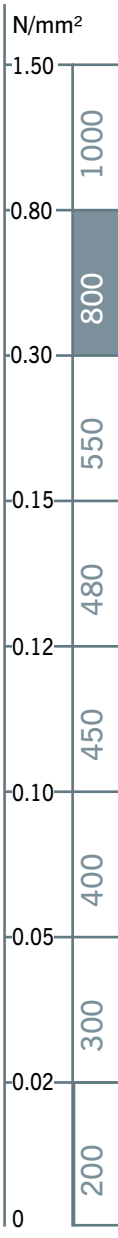
3.7

Standard forms of delivery, ex warehouse
Rolls
Thickness: 10 mm
Length: 8,000 mm, special length available
Width: 1,250 mm

Stripping/Plates
On request
Die-cutting, water-jet cutting, self-adhesive versions possible

Continuous static load
0.80 N/mm²
Continuous and variable loads/operating load range
1.00 N/mm²

Static modulus of elasticity	Based on EN 826	1.2 - 2.9	N/mm²	Tangential modulus, see figure “Modulus of elasticity”
Dynamic modulus of elasticity	Based on DIN 53513	3.6 - 18.2	N/mm²	Depending on frequency, load and thickness, see figure “dynamic stiffness“
Mechanical loss factor	DIN 53513	0.18	[-]	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	3.7	%	Measured 30 minutes after decompression with 50% deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	0.9	N/mm²	
Elongation at break	Based on DIN EN ISO 1798	70	%	
Tear resistance	Based on DIN ISO 34-1	8.0	N/mm	
Fire behaviour	DIN 4102 DIN EN 13501	B2 E	[-] [-]	Normal flammability
Sliding friction	BSW-laboratory BSW-laboratory	0.7 0.8	[-] [-]	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	545	kPa	Compressive stress at 25 % deformation test specimen h = 60 mm
Rebound elasticity	Based on DIN EN ISO 8307	30	%	dependent on thickness, test specimen h = 60 mm
Force reduction	DIN EN 14904	61	%	dependent on thickness, test specimen h = 60 mm
Ozone resistance	DIN EN ISO 17025	Cracking stage 0	[-]	



Standard forms of delivery, ex warehouse
Rolls
Thickness: 10 mm
Length: 8,000 mm, special length available
Width: 1,250 mm

Stripping/Plates
On request
Die-cutting, water-jet cutting, self-adhesive versions possible

Continuous static load
1.50 N/mm²
Continuous and variable loads/operating load range
1.75 N/mm²

Static modulus of elasticity	Based on EN 826	4.0 - 11.0	N/mm²	Tangential modulus, see figure "Modulus of elasticity"
Dynamic modulus of elasticity	Based on DIN 53513	15.0 - 45.0	N/mm²	Depending on frequency, load and thickness, see figure "dynamic stiffness"
Mechanical loss factor	DIN 53513	0.16	[-]	Load-, amplitude- and frequency-dependent
Compression set	Based on DIN EN ISO 1856	4.9	%	Measured 30 minutes after decompression with 50% deformation / 23 °C after 72 hrs
Tensile strength	Based on DIN EN ISO 1798	2.3	N/mm²	
Elongation at break	Based on DIN EN ISO 1798	110	%	
Tear resistance	Based on DIN ISO 34-1	15.0	N/mm	
Fire behaviour	DIN 4102 DIN EN 13501	B2 E	[-] [-]	Normal flammability
Sliding friction	BSW-laboratory BSW-laboratory	0.6 0.7	[-] [-]	Steel (dry) Concrete (dry)
Compression hardness	Based on DIN EN ISO 3386-2	1650	kPa	Compressive stress at 25 % deformation test specimen h = 60 mm
Rebound elasticity	Based on DIN EN ISO 8307	37	%	dependent on thickness, test specimen h = 60 mm
Force reduction	DIN EN 14904	45	%	dependent on thickness, test specimen h = 60 mm
Ozone resistance	DIN EN ISO 17025	Cracking stage 0	[-]