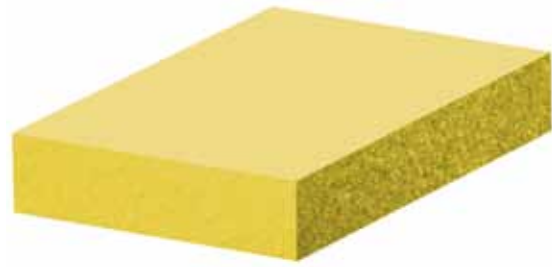


Ordering Example

ACE-SLAB _____
 Material Type _____
 Material Thickness 12.5 mm _____
 Customers Specific Dimension/Shape _____
 (F-Number is assigned by ACE)

SL-170-12-Fxxxx

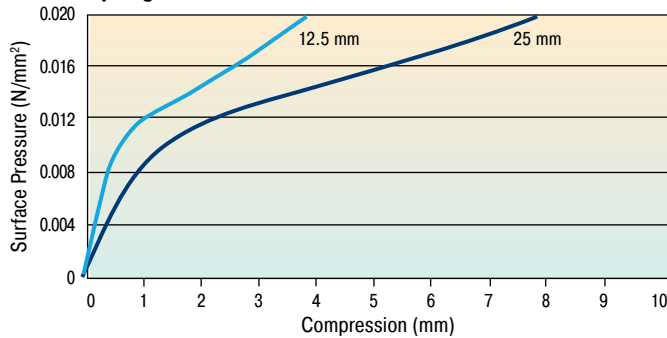


Recommendation for Elastic Bearing

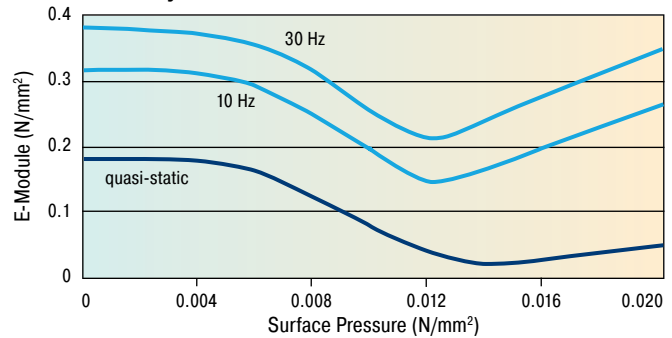
Static application range (static loads): 0 to 0.011 N/mm²
 Dynamic range (static and dynamic loads): 0 to 0.016 N/mm²
 Peak loads (rare, brief loads): up to 0.5 N/mm²

Characteristics

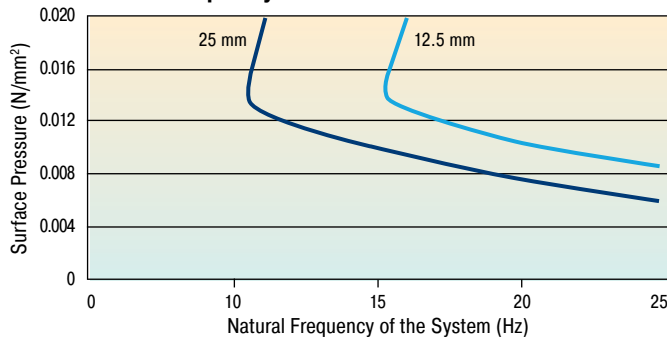
Spring Characteristics¹



Elasticity Module²



Natural Frequency³



¹ Quasi-static spring characteristic with a load speed of 0.0011 N/mm²/s

Tests between the level and plane-parallel steel plates, recording the 3rd load, testing at room temperature, form factor q = 3

² Load-dependence of static and dynamic E-modules

Quasi-static E-module as a tangent module from the spring characteristic. Dynamic E-module from the sinus-shaped stimulation with a vibration wave of 100 dBv re.

5 · 10⁻⁸ m/s (corresponding with a vibration width of 0.22 mm at 10 Hz and 0.08 mm at 30 Hz). Measurement based on DIN 53513, form factor q = 3

³ Natural frequencies of a vibration-capable system with a degree of freedom, consisting of a rigid mass and an elastic bearing made of SL-170 on a rigid base, form factor q = 3

Technical Data

Characteristics: Elastic PUR material with spring/absorber properties

Delivery form: Thickness: 12.5 mm and 25 mm. Rolls: 1.5 m wide and 5.0 m long. Strips: max. 1.5 m wide, 5 m long. Other dimensions (also thickness), colours, shapes and cut-out parts upon request.

Material: Mixed-cell polyetherurethane

Standard colour: Yellow

Physical Characteristics

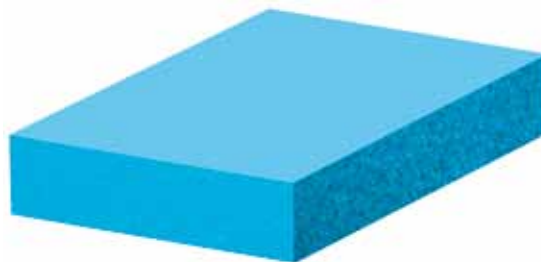
		Test Procedure	Comment
Density	170 kg/m ³		
Mechanical loss factor	η = 0.25	DIN 53513*	dependent on frequency, load and amplitude
Impact resilience	45 %	DIN 53573	
Static modulus of rigidity	0.03 N/mm ²	DIN ISO 1827*	with preload of 0.011 N/mm ²
Dynamic modulus of rigidity	0.10 N/mm ²	DIN ISO 1827*	with preload of 0.011 N/mm ² , 10 Hz
Tensile strength	0.3 N/mm ²	EN ISO 527-3/5/100*	minimum value
Elongation at break	300 %	EN ISO 527-3/5/100*	minimum value
Friction value (steel)	μ _s = 0.5		dry
Friction value (concrete)	μ _B = 0.7		dry
Abrasion	1400 mm ³	DIN 53516	2.5 N load, lower membrane

* Measurement based on the respective norm

Ordering Example

ACE-SLAB _____
 Material Type _____
 Material Thickness 12.5 mm _____
 Customers Specific Dimension/Shape _____
 (F-Number is assigned by ACE)

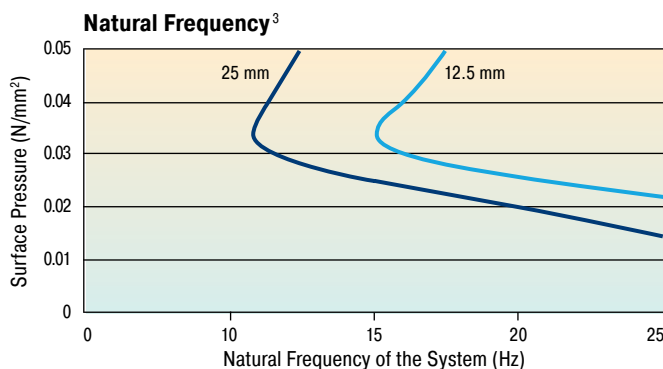
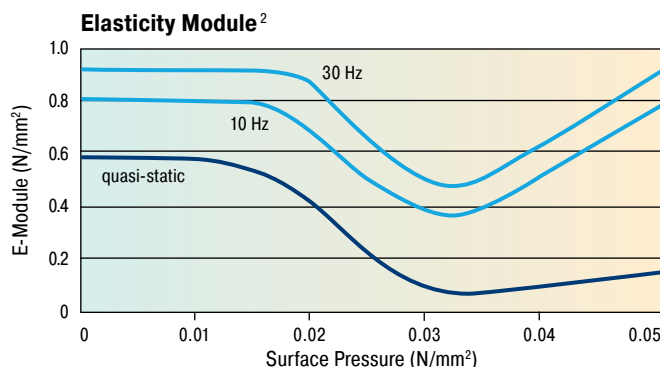
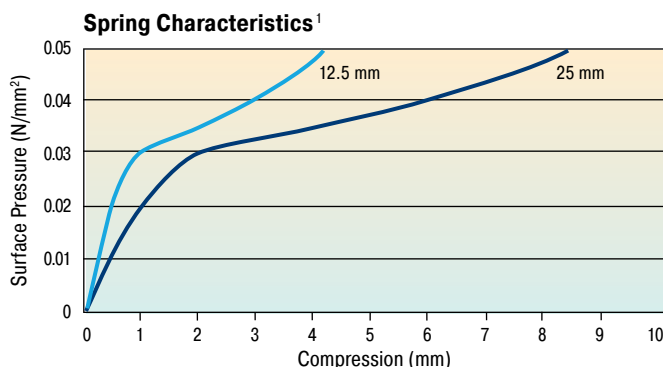
SL-210-12-Fxxxx



Recommendation for Elastic Bearing

Static application range (static loads): 0 to 0.028 N/mm²
 Dynamic range (static and dynamic loads): 0 to 0.042 N/mm²
 Peak loads (rare, brief loads): up to 1.0 N/mm²

Characteristics



¹ Quasi-static spring characteristic with a load speed of 0.0028 N/mm²/s
 Tests between the level and plane-parallel steel plates, recording the 3rd load, testing at room temperature, form factor q = 3

² Load-dependence of static and dynamic E-modules
 Quasi-static E-module as a tangent module from the spring characteristic. Dynamic E-module from the sinus-shaped stimulation with a vibration wave of 100 dBv re. 5 · 10⁻⁸ m/s (corresponding with a vibration width of 0.22 mm at 10 Hz and 0.08 mm at 30 Hz). Measurement based on DIN 53513, form factor q = 3

³ Natural frequencies of a vibration-capable system with a degree of freedom, consisting of a rigid mass and an elastic bearing made of SL-210 on a rigid base, form factor q = 3

Technical Data

Characteristics: Elastic PUR material with spring/absorber properties

Delivery form: Thickness: 12.5 mm and 25 mm. Rolls: 1.5 m wide and 5.0 m long. Strips: max. 1.5 m wide, 5 m long. Other dimensions (also thickness), colours, shapes and cut-out parts upon request.

Material: Mixed-cell polyetherurethane

Standard colour: Blue

Physical Characteristics

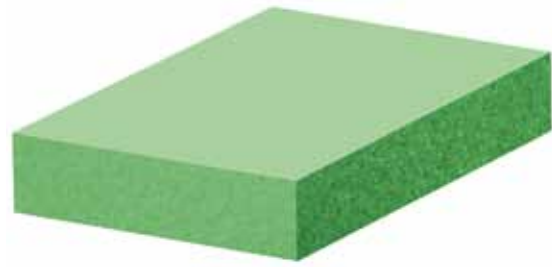
		Test Procedure	Comment
Density	210 kg/m ³		
Mechanical loss factor	η = 0.21	DIN 53513*	dependent on frequency, load and amplitude
Impact resilience	45 %	DIN 53573	
Static modulus of rigidity	0.07 N/mm ²	DIN ISO 1827*	with preload of 0.028 N/mm ²
Dynamic modulus of rigidity	0.15 N/mm ²	DIN ISO 1827*	with preload of 0.028 N/mm ² , 10 Hz
Tensile strength	0,4 N/mm ²	EN ISO 527-3/5/100*	minimum value
Elongation at break	250 %	EN ISO 527-3/5/100*	minimum value
Friction value (steel)	μ _s = 0.5		dry
Friction value (concrete)	μ _B = 0.7		dry
Abrasion	1300 mm ³	DIN 53516	5 N load, lower membrane

* Measurement based on the respective norm

Ordering Example

ACE-SLAB _____
 Material Type _____
 Material Thickness 12.5 mm _____
 Customers Specific Dimension/Shape _____
 (F-Number is assigned by ACE)

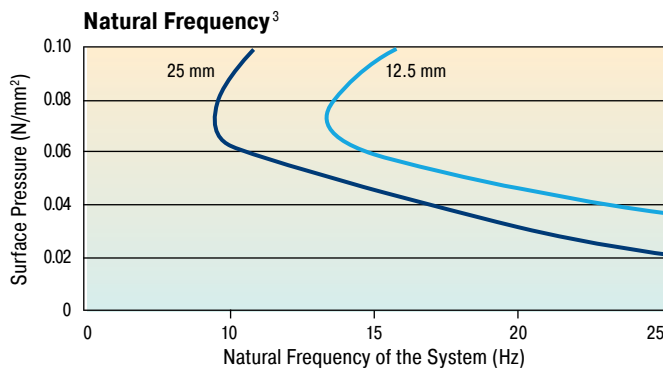
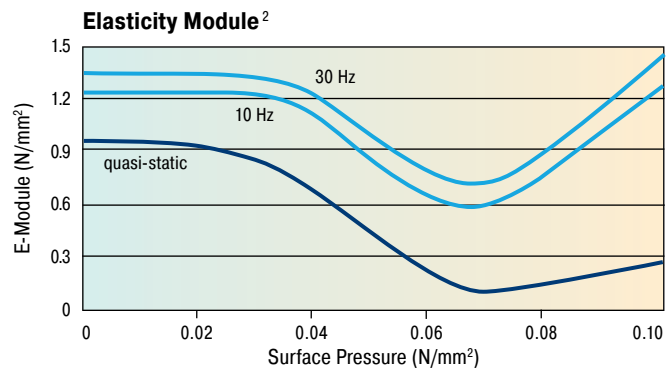
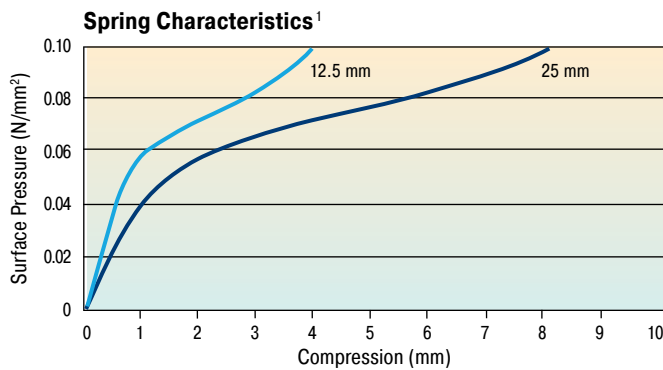
SL-275-12-Fxxxx



Recommendation for Elastic Bearing

Static application range (static loads): 0 to 0.055 N/mm²
 Dynamic range (static and dynamic loads): 0 to 0.085 N/mm²
 Peak loads (rare, brief loads): up to 2.0 N/mm²

Characteristics



¹ Quasi-static spring characteristic with a load speed of 0.0055 N/mm²/s
 Tests between the level and plane-parallel steel plates, recording the 3rd load, testing at room temperature, form factor q = 3

² Load-dependence of static and dynamic E-modules
 Quasi-static E-module as a tangent module from the spring characteristic. Dynamic E-module from the sinus-shaped stimulation with a vibration wave of 100 dBv re. 5 · 10⁻⁸ m/s (corresponding with a vibration width of 0.22 mm at 10 Hz and 0.08 mm at 30 Hz). Measurement based on DIN 53513, form factor q = 3

³ Natural frequencies of a vibration-capable system with a degree of freedom, consisting of a rigid mass and an elastic bearing made of SL-275 on a rigid base, form factor q = 3

Technical Data

Characteristics: Elastic PUR material with spring/absorber properties

Delivery form: Thickness: 12.5 mm and 25 mm. Rolls: 1.5 m wide and 5.0 m long. Strips: max. 1.5 m wide, 5 m long. Other dimensions (also thickness), colours, shapes and cut-out parts upon request.

Material: Mixed-cell polyetherurethane

Standard colour: Green

Physical Characteristics

		Test Procedure	Comment
Density	275 kg/m ³		
Mechanical loss factor	η = 0.17	DIN 53513*	dependent on frequency, load and amplitude
Impact resilience	55 %	DIN 53573	
Static modulus of rigidity	0.13 N/mm ²	DIN ISO 1827*	with preload of 0.055 N/mm ²
Dynamic modulus of rigidity	0.26 N/mm ²	DIN ISO 1827*	with preload of 0.055 N/mm ² , 10 Hz
Tensile strength	0,6 N/mm ²	EN ISO 527-3/5/100*	minimum value
Elongation at break	250 %	EN ISO 527-3/5/100*	minimum value
Friction value (steel)	μ _s = 0.5		dry
Friction value (concrete)	μ _B = 0.7		dry
Abrasion	1100 mm ³	DIN 53516	7.5 N load, lower membrane

* Measurement based on the respective norm

Ordering Example

ACE-SLAB _____
 Material Type _____
 Material Thickness 12.5 mm _____
 Customers Specific Dimension/Shape _____
 (F-Number is assigned by ACE)

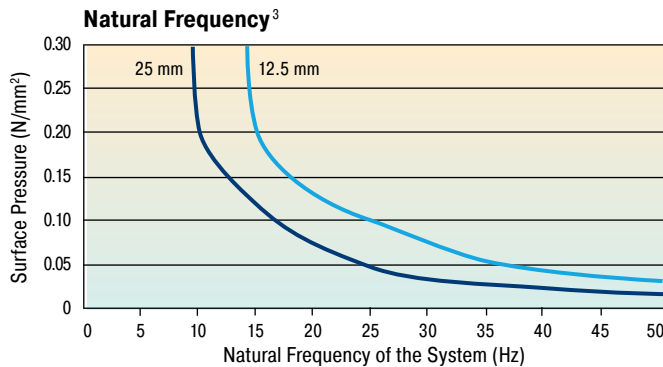
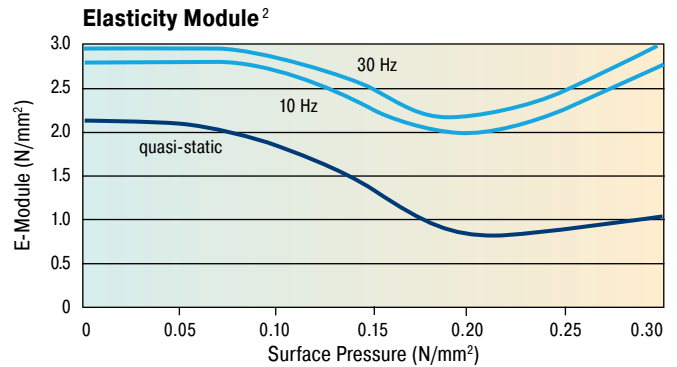
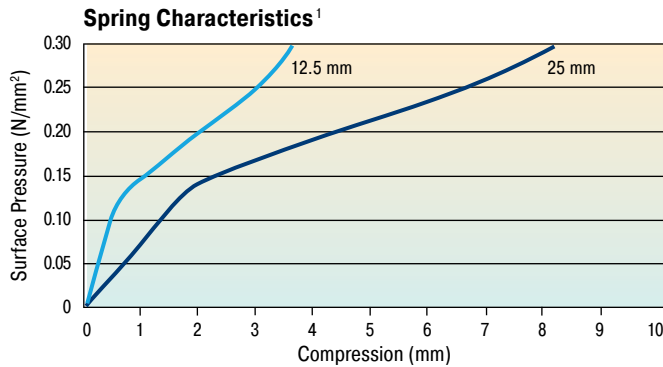
SL-450-12-Fxxxx



Recommendation for Elastic Bearing

Static application range (static loads): 0 to 0.15 N/mm²
 Dynamic range (static and dynamic loads): 0 to 0.25 N/mm²
 Peak loads (rare, brief loads): up to 2.0 N/mm²

Characteristics



¹ Quasi-static spring characteristic with a load speed of 0.015 N/mm²/s
 Tests between the level and plane-parallel steel plates, recording the 3rd load, testing at room temperature, form factor q = 3

² Load-dependence of static and dynamic E-modules
 Quasi-static E-module as a tangent module from the spring characteristic. Dynamic E-module from the sinus-shaped stimulation with a vibration wave of 100 dBv re. 5 · 10⁻⁸ m/s (corresponding with a vibration width of 0.22 mm at 10 Hz and 0.08 mm at 30 Hz). Measurement based on DIN 53513, form factor q = 3

³ Natural frequencies of a vibration-capable system with a degree of freedom, consisting of a rigid mass and an elastic bearing made of SL-450 on a rigid base, form factor q = 3

Technical Data

Characteristics: Elastic PUR material with spring/absorber properties

Delivery form: Thickness: 12.5 mm and 25 mm. Rolls: 1.5 m wide and 5.0 m long. Strips: max. 1.5 m wide, 5 m long. Other dimensions (also thickness), colours, shapes and cut-out parts upon request.

Material: Mixed-cell polyetherurethane

Standard colour: Black

Physical Characteristics

		Test Procedure	Comment
Density	450 kg/m ³		
Mechanical loss factor	η = 0.17	DIN 53513*	dependent on frequency, load and amplitude
Impact resilience	55 %	DIN 53573	
Static modulus of rigidity	0.48 N/mm ²	DIN ISO 1827*	with preload of 0.15 N/mm ²
Dynamic modulus of rigidity	0.76 N/mm ²	DIN ISO 1827*	with preload of 0.15 N/mm ² , 10 Hz
Tensile strength	1.5 N/mm ²	EN ISO 527-3/5/100*	minimum value
Elongation at break	300 %	EN ISO 527-3/5/100*	minimum value
Friction value (steel)	μ _s = 0.5		dry
Friction value (concrete)	μ _B = 0.7		dry
Abrasion	1150 mm ³	DIN 53516	10 N load, lower membrane

* Measurement based on the respective norm

Ordering Example

ACE-SLAB _____
 Material Type _____
 Material Thickness 12.5 mm _____
 Customers Specific Dimension/Shape _____
 (F-Number is assigned by ACE)

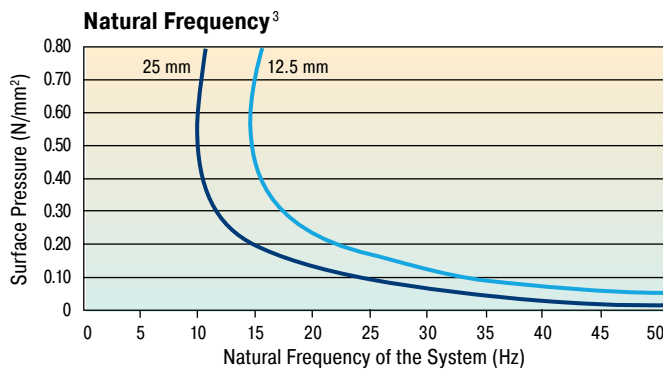
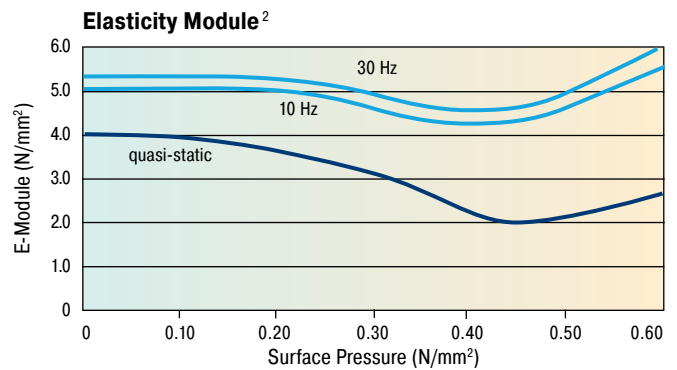
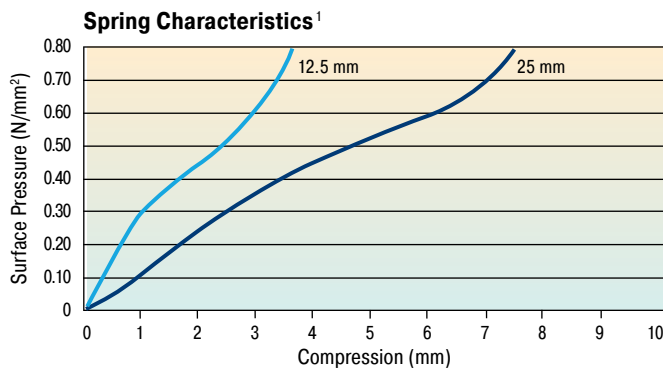
SL-600-12-Fxxxx



Recommendation for Elastic Bearing

Static application range (static loads): 0 to 0.30 N/mm²
 Dynamic range (static and dynamic loads): 0 to 0.45 N/mm²
 Peak loads (rare, brief loads): up to 3.0 N/mm²

Characteristics



¹ Quasi-static spring characteristic with a load speed of 0.03 N/mm²/s
 Tests between the level and plane-parallel steel plates, recording the 3rd load, testing at room temperature, form factor q = 3

² Load-dependence of static and dynamic E-modules
 Quasi-static E-module as a tangent module from the spring characteristic. Dynamic E-module from the sinus-shaped stimulation with a vibration wave of 100 dBv re. 5 · 10⁻⁸ m/s (corresponding with a vibration width of 0.22 mm at 10 Hz and 0.08 mm at 30 Hz). Measurement based on DIN 53513, form factor q = 3

³ Natural frequencies of a vibration-capable system with a degree of freedom, consisting of a rigid mass and an elastic bearing made of SL-600 on a rigid base, form factor q = 3

Technical Data

Characteristics: Elastic PUR material with spring/absorber properties

Delivery form: Thickness: 12.5 mm and 25 mm. Rolls: 1.5 m wide and 5.0 m long. Strips: max. 1.5 m wide, 5 m long. Other dimensions (also thickness), colours, shapes and cut-out parts upon request.

Material: Mixed-cell polyetherurethane

Standard colour: Black

Physical Characteristics

		Test Procedure	Comment
Density	600 kg/m ³		
Mechanical loss factor	η = 0.12	DIN 53513*	dependent on frequency, load and amplitude
Impact resilience	60 %	DIN 53512	
Static modulus of rigidity	0.8 N/mm ²	DIN ISO 1827*	with preload of 0.30 N/mm ²
Dynamic modulus of rigidity	1.2 N/mm ²	DIN ISO 1827*	with preload of 0.30 N/mm ² , 10 Hz
Tensile strength	2 N/mm ²	EN ISO 527-3/5/100*	minimum value
Elongation at break	300 %	EN ISO 527-3/5/100*	minimum value
Friction value (steel)	μ _s = 0.5		dry
Friction value (concrete)	μ _B = 0.7		dry
Abrasion	700 mm ³	DIN 53516	10 N load, lower membrane

* Measurement based on the respective norm

Ordering Example

ACE-SLAB _____
 Material Type _____
 Material Thickness 12.5 mm _____
 Customers Specific Dimension/Shape _____
 (F-Number is assigned by ACE)

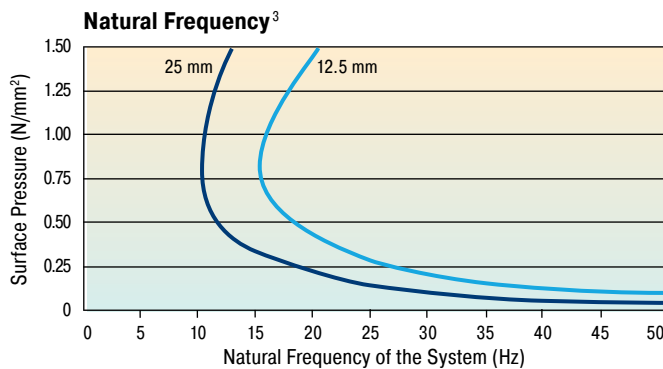
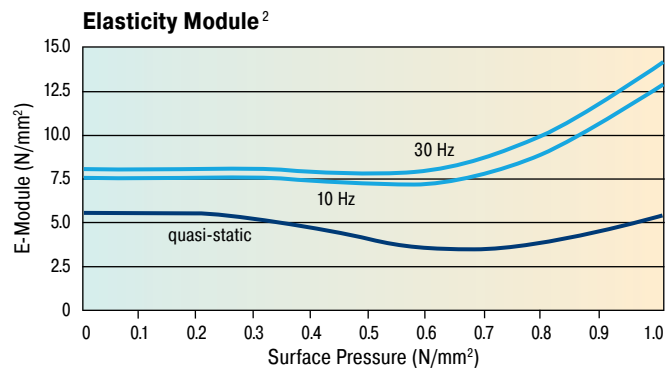
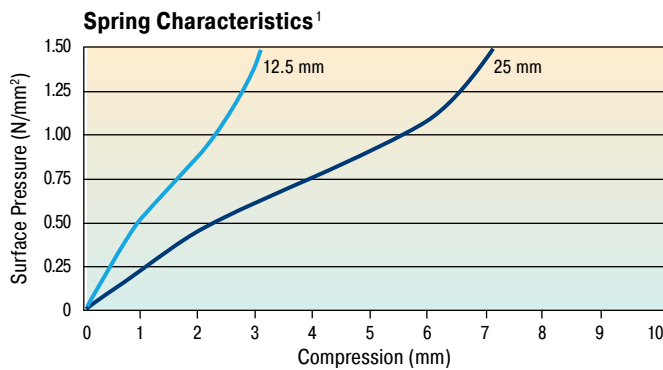
SL-720-12-Fxxxx



Recommendation for Elastic Bearing

Static application range (static loads): 0 to 0.50 N/mm²
 Dynamic range (static and dynamic loads): 0 to 0.75 N/mm²
 Peak loads (rare, brief loads): up to 5.0 N/mm²

Characteristics



¹ Quasi-static spring characteristic with a load speed of 0.05 N/mm²/s
 Tests between the level and plane-parallel steel plates, recording the 3rd load, testing at room temperature, form factor q = 3

² Load-dependence of static and dynamic E-modules
 Quasi-static E-module as a tangent module from the spring characteristic. Dynamic E-module from the sinus-shaped stimulation with a vibration wave of 100 dBv re. 5 · 10⁻⁸ m/s (corresponding with a vibration width of 0.22 mm at 10 Hz and 0.08 mm at 30 Hz). Measurement based on DIN 53513, form factor q = 3

³ Natural frequencies of a vibration-capable system with a degree of freedom, consisting of a rigid mass and an elastic bearing made of SL-720 on a rigid base, form factor q = 3

Technical Data

Characteristics: Elastic PUR material with spring/absorber properties

Delivery form: Thickness: 12.5 mm and 25 mm. Rolls: 1.5 m wide and 5.0 m long. Strips: max. 1.5 m wide, 5 m long. Other dimensions (also thickness), colours, shapes and cut-out parts upon request.

Material: Mixed-cell polyetherurethane

Standard colour: Black

Physical Characteristics

		Test Procedure	Comment
Density	720 kg/m ³		
Mechanical loss factor	η = 0.12	DIN 53513*	dependent on frequency, load and amplitude
Impact resilience	60 %	DIN 53512	
Static modulus of rigidity	1 N/mm ²	DIN ISO 1827*	with preload of 0.50 N/mm ²
Dynamic modulus of rigidity	1.5 N/mm ²	DIN ISO 1827*	with preload of 0.50 N/mm ² , 10 Hz
Tensile strength	3 N/mm ²	EN ISO 527-3/5/100*	minimum value
Elongation at break	300 %	EN ISO 527-3/5/100*	minimum value
Friction value (steel)	μ _s = 0.5		dry
Friction value (concrete)	μ _B = 0.7		dry
Abrasion	350 mm ³	DIN 53516	10 N load, lower membrane

* Measurement based on the respective norm