

Technical information

Table of surface pressure, maximum load as well as rebound elasticity of NR/SBR subject to different shore hardness's with regard to material thickness, width, and length.

Material thickness 5 mm

Width (mm)	Length (mm)	Surface pressure (N/mm ²)	Max. load (kN)	Rebound elasticity (N/mm ²)		
				40 / 60 / 80 °ShA	40 / 60 / 80 °ShA	40 °ShA
50	50	2.3	5.8	14.0	35.1	79.0
50	100	3.1	15.3	22.2	55.6	125.1
100	100	4.6	46.0	44.6	111.6	251.1
100	200	6.1	122.7	75.0	187.6	422.1
200	200	9.2	368.0	159.8	399.6	899.1
200	400	12.3	981.3	276.6	691.6	1,556.1

Material thickness 6 mm

Width (mm)	Length (mm)	Surface pressure (N/mm ²)	Max. load (kN)	Rebound elasticity (N/mm ²)		
				40 / 60 / 80 °ShA	40 / 60 / 80 °ShA	40 °ShA
50	50	1.9	4.8	10.7	26.7	60.1
50	100	2.6	12.8	16.6	41.4	93.1
100	100	3.8	38.3	32.4	81.1	182.5
100	200	5.1	102.2	53.9	134.7	303.1
200	200	7.7	306.7	113.4	283.6	638.1
200	400	10.2	817.8	195.2	488.0	1,098.1

Material thickness 8 mm

Width (mm)	Length (mm)	Surface pressure (N/mm ²)	Max. load (kN)	Rebound elasticity (N/mm ²)		
				40 / 60 / 80 °ShA	40 / 60 / 80 °ShA	40 °ShA
50	50	1.4	3.6	7.2	18.0	40.5
50	100	1.9	9.6	10.7	26.7	60.1
100	100	2.9	28.8	20.0	50.0	112.5
100	200	3.8	76.7	32.4	81.1	182.5
200	200	5.8	230.0	66.7	166.7	375.1
200	400	7.7	613.3	113.4	283.6	638.1



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Table of surface pressure, maximum load as well as rebound elasticity of NR/SBR subject to different shore hardness's with regard to material thickness, width, and length.

Material thickness 10 mm

Width (mm)	Length (mm)	Surface pressure (N/mm ²)	Max. load (kN)	Rebound elasticity (N/mm ²)		
				40 / 60 / 80 °ShA	40 / 60 / 80 °ShA	40 °ShA
50	50	1.2	2.9	5.0	13.7	30.9
50	100	1.5	7.7	7.0	19.6	44.1
100	100	2.3	23.0	12.4	35.1	79.0
100	200	3.1	61.3	19.4	55.6	125.1
200	200	4.6	184.0	38.5	111.6	251.1
200	400	6.1	490.7	64.4	187.6	422.1
300	300	6.9	621.0	93.2	233.1	524.5
300	600	9.2	1,656.0	159.8	399.6	899.1

Material thickness 12 mm

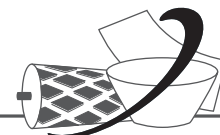
Width (mm)	Length (mm)	Surface pressure (N/mm ²)	Max. load (kN)	Reobund elasticity (N/mm ²)		
				40 / 60 / 80 °ShA	40 / 60 / 80 °ShA	40 °ShA
50	50	1.0	2.4	4.5	11.3	25.3
50	100	1.3	6.4	6.2	15.5	35.0
100	100	1.9	19.2	10.7	26.7	60.1
100	200	2.6	51.1	16.6	41.4	93.1
200	200	3.8	153.3	32.4	81.1	182.5
200	400	5.1	408.9	53.9	134.7	303.1
300	300	5.8	517.5	66.7	166.7	375.1
300	600	7.7	1,380.0	113.4	283.6	638.1
400	400	7.7	1,226.7	113.4	283.6	638.1
400	800	10.2	3,271.1	195.2	488.0	1,098.1

Material thickness 15 mm

Width (mm)	Length (mm)	Surface pressure (N/mm ²)	Max. load (kN)	Rebound elasticity (N/mm ²)		
				40 / 60 / 80 °ShA	40 / 60 / 80 °ShA	40 °ShA
50	50	0.8	1.9	3.6	9.1	20.5
50	100	1.0	5.1	4.8	12.0	27.1
100	100	1.5	15.3	7.8	19.6	44.1
100	200	2.0	40.9	11.8	29.4	66.1
200	200	3.1	122.7	22.2	55.6	125.1
200	400	4.1	327.1	36.3	90.7	204.1
300	300	4.6	414.0	44.6	111.6	251.1
300	600	6.1	1,104.0	75.0	187.6	422.1
400	400	6.1	981.3	75.0	187.6	422.1
400	800	8.2	2,616.9	128.0	320.0	720.1

page 2 / 2

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