

## Technical information

Properties of NR/SBR with different shore hardness depending on material thickness, width and length

### Material thickness 5 mm

Width (mm)	Length (mm)	Surface pressure (N/mm <sup>2</sup> )	Max. load (kN)	Impact resilience (N/mm <sup>2</sup> )		
				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

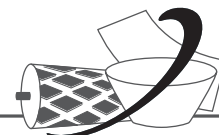
Width (mm)	Length (mm)	Surface pressure (N/mm <sup>2</sup> )	Max. load (kN)	Impact resilience (N/mm <sup>2</sup> )		
				40 / 60 / 80 ShA	40 / 60 / 80 ShA	40 ShA
50	50	1.9	4.8	10.7	26.7	60.1
50	100	2.6	12.8	16.6	41.4	93.1
100	100	3.8	38.3	32.4	81.1	182.5
100	200	5.1	102.2	53.9	134.7	303.1
200	200	7.7	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 <sup>2</sup> )	Max. load (kN)	Impact resilience (N/mm <sup>2</sup> )		
				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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## Technical information

Properties of NR/SBR with different shore hardness depending on material thickness, width and length

### Material thickness 10 mm

Width (mm)	Length (mm)	Surface pressure (N/mm <sup>2</sup> )	Max. load (kN)	Impact resilience (N/mm <sup>2</sup> )		
		40 / 60 / 80 ShA	40 / 60 / 80 ShA	40 ShA	60 ShA	80 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 <sup>2</sup> )	Max. load (kN)	Impact resilience (N/mm <sup>2</sup> )		
		40 / 60 / 80 ShA	40 / 60 / 80 ShA	40 ShA	60 ShA	80 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 <sup>2</sup> )	Max. load (kN)	Impact resilience (N/mm <sup>2</sup> )		
		40 / 60 / 80 ShA	40 / 60 / 80 ShA	40 ShA	60 ShA	80 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

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