

Novaya Quality Department Document

Code: FR-CS-MAT

Doc.: Technical Data Sheet

Review date: 6/06/2025

Version: 8

TDS: Mattress type SP000

Page: 1 of 2

Mattress type SP000

1. General

Mattress produced by vulcanisation of a mixture of 100% natural latex in the standard Dunlop process.

2. Physical properties¹ - Density & Firmness

Height	Soft	Medium	Firm	eXtra Firm
Density	70	75	85	90
20 cm	32 / 150	/	/	55 / 240
18 cm	30 / 140	37 / 160	45 / 200	53 / 230
15 cm	27 / 80	34 / 100	42 / 130	50 / 170
14 cm	26 / 100	32 / 140	41 / 180	49 / 220
12 cm	24 / 70	31 / 130	39 / 140	47 / 210
10 cm	22 / 100	29 / 100	37 / 130	45 / 190

2b. Physical properties - General Medium properties

Property	Nominal value	Norm	Remark
Hysteresis (%)	20	ISO 2439	Method B
Resilience (%)	55	ISO 8307	
Sag-factor (-)	4.5	ISO 2439	Method B
Tensile strength (kPa)	45	ISO 1798	
Elongation (%)	250	ISO 1798	
Compression (%)	3%	ISO 1856	50%, 70° C, 0rh, 22h
Dynamic fatigue (%)	0% 19%	ISO 3385	Height loss Hardness loss
Dynamic fatigue (%) durability test	0% 22%	EN 1957	Height loss Hardness loss
Fire retardant properties	NA NA	ISO 1021-1 ISO 1021-2	Cigarette test Open flame

¹For product comparison only. The test results are average values, to which tolerances are applicable, subject to change. Values of firmness in hPa, according own method before the "/" and in Newton according ISO2439B, at 40% compression after.

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3. Quality certificates

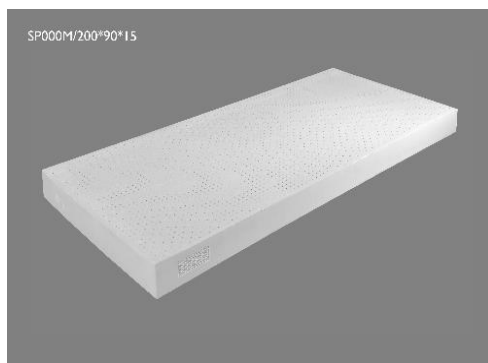


4. Product tolerances

Dimensions		
Length (%)	Width (%)	Height (mm)
+1,5/-0,5	+1,5/-0,5	+10/-0

Physical properties					
Density (kg/m ³)	Firmness (hPa)	Firmness (N)	Compression (%)	Fatigue (%h)	Durability (%HH)
+/-5	+/-4	+/-15	< 10 %	< 5 %	< 25 %

5. Visual appearance²



²Products conform to Novaya visual standard

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