

# Novaya Quality Department Document

Code: FR-CS-MAT

Doc.: Technical Data Sheet

Review date: 17/06/2025

Version: 8

TDS: Mattress type BPA31

Page: 1 of 2

## Mattress type BPA31

### 1. General

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

### 2. Physical properties<sup>1</sup> - Density & Firmness

Height	Soft	Medium	Firm	eXtra Firm
Density	67	72	77	82
18 cm	32 / 150	40 / 180	49 / 220	57 / 250
15 cm	29 / 140	37 / 170	46 / 210	54 / 240

### 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%	ISO 3385	Height loss
	19%		Hardness loss
Dynamic fatigue (%) durability test	0%	EN 1957	Height loss
	22%		Hardness loss
Fire retardant properties	NA	ISO 1021-1	Cigarette test
	NA	ISO 1021-2	Open flame

<sup>1</sup>For 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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This document uses a unique code and replaces any older versions

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## 3. Quality certificates

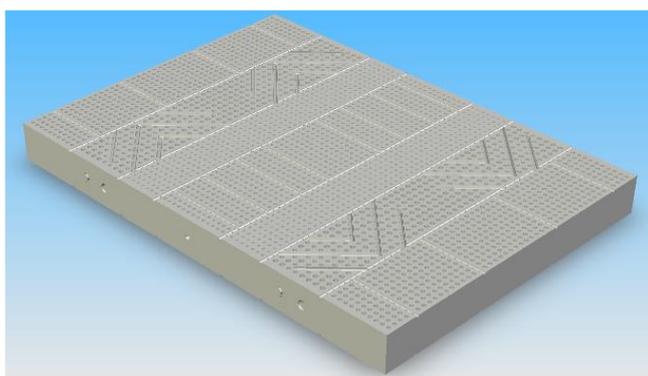


## 4. Product tolerances

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

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

## 5. Visual appearance<sup>2</sup>



<sup>2</sup>Products conform to Novaya visual standard

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