

# Latexco Quality Department Document

Code: FR-CS-MAT  
Doc.: Technical Data Sheet  
Review date: 21/09/2017

Version: 3  
TDS: Mattress type BPB27  
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## Mattress type BPB27

### 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	Medium	Firm
Density	75	85
18 cm	45 / 200	57 / 250

### 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

<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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## 3. Quality certificates

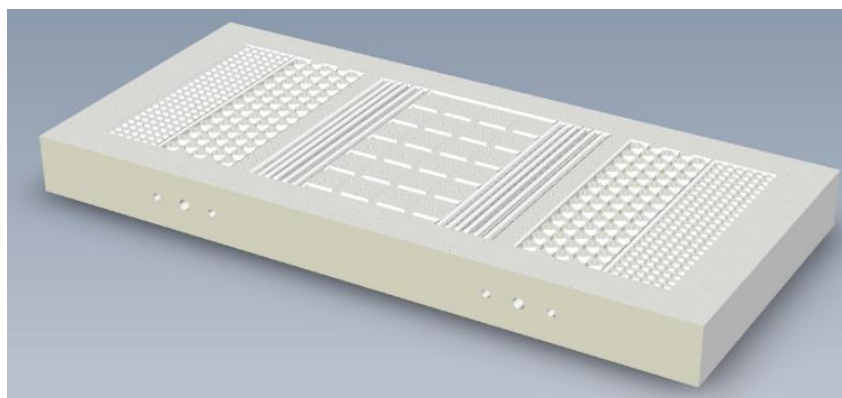


## 4. Product tolerances

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)	Compression (%)	Fatigue (%h)	Durability (%h)
+/-5	+/-4	< 15 %	< 5 %	< 15 %

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



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

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