

Technical Specification

POLYURETHANE FOAM MATTRESSES

Polyurethane Foam Mattress Specification “2” Density: 23 Kg/M³ Option 2: Fabric Cover stitched with

Polyurethane Foam Mattress Specification		
1.	Size	180cm Length X 75cm Width X 7cm Thickness (1 piece not glued)
2.	Density	23 Kg/M ³
3.	Indentation Load Deflection ILD @ 40% Indentation	> 350 Newton
4.	Compression Load Deflection CLD @ 40% Compression	> 10 Kpa
5.	Tensile Strength	> 100 Kpa
6.	Tensile Elongation	> 60 %
7.	Tear Resistance	> 200 N/M
8.	Chemicals	Pure Foam Original Chemicals (Excluded from Calcium Carbonate powder or any other powder)
9.	Percent of polyurethane spray foams	Not less than 70% open cell
10	Sag factor	Greater than 2.0
11	Air flow CBM/mn	Max. 0.11
Fabric Specification		
12	Type	Mixed Cotton with Polyester 100 g/m ²
13	Color	Dark colors
UNHCR Logo		
14	Size	25cm X 25cm
15	Color	White and Blue or any other color that would be visible once printed on the fabric
Packing		
16	Packing for each Mattress	Each mattress to be covered by transparent Polyethylene bag film having a thickness of (30-50) microns
17	Bundle Pack	5 pieces per bundle
Tolerance		
18	Density	± 1 Kg/M ³
19	Size	± 1 cm
20	Thickness	± 0.5 cm
Options for Sewing/Stitching the Fabric Cover		
21	Design	Fabric Cover stitched with Tape Edge