

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 |