AEROFOAM INDUSTRIES

*"Redefining comfort one seat at a time"*

# AF01010010

**AF01010010 is the firmest flame retardant memory foam. The Aerofoam's memory foam family is great topper foam for use on traditional foam cushions.**

Memory foams or visco-elastic foams were developed by NASA as a solution for astronauts in zero gravity environments. The higher visco elastic properties of the memory foam provides greater comfort and support by molding to the contour of the passenger which allows for a more even dispersion of pressure throughout the seat cushion. With this memory foam you do not significantly increase the mass of the cushion beyond that of existing firehard polyurethane foams.

AF01010010 low density provides much softer comfort than the heavier AF01010011 and provides the highest level of anatomical cushioning of any foam commercially available in the market today. AF01010010 is ideally used for seat bottom cushions to soften bullnose, its pressure dispersion abilities are unrivalled in seat cushioning.

| PROPERTIES | ISO Standard | ASTM Standard | Imperial | Metric |
|---|---|---|---|---|
| Density | ISO 845 | ASTM D3574 | 2.81 - 3.03 lbs/ft$^3$ | 45 - 48.5 kg/m$^3$ |
| Hardness (IFD @ 40%/2 | ISO 2439:2008 | ASTM D3574 | 8 lbs - 17 lbs | 35 - 75 N |
| Sag Factor | | ASTM D3574 | 2.65 - 3.20 | 2.65 - 3.20 |
| Tear Strength | ISO 8067:1995 | ASTM D3574 | 1.4 lbs/in | 0.16 N/m |
| Tensile Strength | ISO 7214:1998 | ASTM D3574 | 14 PSI (min) | 96.53 kPa (min) |
| Elongation | ISO 7214:1998 | ASTM D3574 | 100 (% min) | 100 (% min) |
| Resillence | | ASTM D3574 | < 5% | < 5% |
| Typical mass per seat cushion | | 16" x 16" x 4" | 1 lbs 11 oz | .76 kg |

| FLAMMABILITY | Standard | Results |
|---|---|---|
| 12 Second Vertical Burn | CFR/CS 25.853 app F, part1a(1)(ii) | Pass |
| Seat Oil Burn | CFR/CS 25.853 app F, part 2 | Pass |

| COLOR |
|---|
| Grey |

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