



AEROFOAM INDUSTRIES

"Redefining comfort one seat at a time"

AF01010004

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AF01010004 is a medium density polyurethane based, graphite impregnated, flame retardant foam, suitable for use without fireblocker in commercial aerospace interiors.

The high resilient nature of this foam ensures a prolonged life in service and is significantly less prone to shearing or dusting than conventional foams. AF01010004 meets the requirements of CFR 25.853 part 1, the 12 second vertical burn and CFR 25.853 part 2, the seat oil burn or Kerosene burn test as standard without needing a fireblocking layer.

All of our AF range of firehard foams are treated with UltraFresh™, for antimicrobial protection throughout its lifespan.

AF01010004 is commonly used in seat backs and as a support layer in bottom cushions. Its comparative lightweight compared to similar cushions makes it the first choice for seat cushions and seat backs.

PROPERTIES	ISO Standard	ASTM Standard	Imperial	Metric
Density	ISO 845	ASTM D3574	3.7 - 4.1 lbs/ft ³	60 - 65 kg/m ³
Hardness (IFD 40%)	ISO 2439:2008	ASTM D3574	50 lbs - 62 lbs	225 - 275 N
Sag Factor		ASTM D3574	3.1	3.1
Tear Strength	ISO 8067:1995	ASTM D3574	.17 lbs/in	1.9 N/cm
Tensile Strength	ISO 7214:1998	ASTM D3574	17.7 PSI	122 kPa
Elongation	ISO 7214:1998	ASTM D3574	96 (%)	96 (%)
Resilience		ASTM D3574	48 (%)	48 (%)
Typical mass per seat cushion		16" x 16" x 4"	2 lbs 8 oz	1.05 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

Dark Green