



AEROFOAM INDUSTRIES

“Redefining comfort one seat at a time”

AF42-180

AF42-180 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. AF42-95 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.

AF42-180 is commonly used in seat backs and as a comfort 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	2.40 - 2.8 lbs/ft ²		38.44 - (42) - 44.85 kg/m ³
Hardness (IFD)	ISO 2439:2008	ASTM D3574	38 lbs - 48 lbs		169.10 - (180) - 213.60 N
Sag Factor		ASTM D3574	2.3 min		2.3 min
Tear Strength	ISO 8067:1995	ASTM D3574	1.1 lbs/in		0.12 n/m
Tensile strength	ISO 7214:1998	ASTM D3574	14 PSI		96.53 (kpa)
Elongation	ISO 7214:1998	ASTM D3574	125 (% min)		125 (% min)
Resilience		ASTM D3574	35 (% min)		35 (% min)
Typical mass per seat cushion		16" x 16" x 4"	1 lbs	10.8 oz	0.76 kg

FLAMMABILITY	Standard	Result
12 Second Vertical Burn	CFR/CS 25.853 app F, part 1a(1)(ii)	Pass
Seat Oil Burner	CFR/CS 25.853 app F part 2	Pass

COLOR

Clay

