



“Redefining comfort one seat at a time”

AF01010011 Aerofoam's Graphite Comfort Series - Memory

AF01010011 is our firmest graphite filled memory foam. This lightweight memory foam was developed specifically to provide unrivaled passenger comfort without increasing overall cushion weight. AF01010011 has been engineered as a topper material for bottom cushions, and anywhere superior comfort and support is needed.

TYPICAL USES:

- Bottom Cushion Comfort Layer
- Comfort & Support Cushioning Across All Classes
 - Business & First Class Mattress Support Layer
 - Longhaul & International Crew Rest Mattresses

PROPERTIES	ISO Standard	ASTM Standard	Imperial	Metric
Density	ISO 845	ASTM D3574	2.7 - 3.1 lbs/ft ³	43 - 49 kg/m ³
Hardness (ILD/IFD) @ 40%	ISO 2439:2008	ASTM D3574	20 lbs - 29 lbs	89 - 129 N
Tear Strength	ISO 8067:1995	ASTM D3574	1.4 lbs/in	250 N/m
Tensile Strength	ISO 7214:1998	ASTM D3574	16 PSI (min)	110 kPa (min)
Elongation	ISO 7214:1998	ASTM D3574	80% (min)	
Resilience		ASTM D3574	10%	

FLAMMABILITY	Standard	Results
12 Second Vertical Burn	CFR/CS 25.853 app F, part I (a) (1) (ii)	Pass
Seat Oil Burn	CFR/CS 25.853 app F, part II	Pass(*)
Smoke	14 CFR/JAR/CS Part 25 app F & ABD 0031	Pass
Toxicity	ABD 0031 (Issue G) & AITM 3-0005 (Issue 2)	Pass

COLOR

Green

(*) When used in combination with specific textile covers and/or fire blocking textiles