



AF01010001 Aerofoam's Graphite Comfort Series

AF01010001 is the softest ILD foam in our Graphite Comfort Series. AF01010001 is a polyurethane-based, flame-retardant foam designed and engineered at the molecular level to deliver unprecedented comfort in commercial & general aviation.

TYPICAL USES:

- Soft-Touch Cushion Bolsters
- Back & Bottom Cushion - Comfort Layer
- Dress Cover Lamination Foam (Soft)
- Anywhere Lightweight Comfort Foam is Needed

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 (IFD/ILD 40%)	ISO 2439:2008	ASTM D3574	22 lbs - 34 lbs	100-150 N
Tear Strength	ISO 8067:1995	ASTM D3574	1.5 lbs/in	270 N/m
Tensile Strength	ISO 7214:1998	ASTM D3574	12 PSI	84 kPa
Elongation	ISO 7214:1998	ASTM D3574	96 (%)	
Resilience		ASTM D3574	32 (%)	
Dynamic Fatigue				
Hardness loss at 40%	ISO 3385:2014		25 (%)	
Thickness loss at 40%			4 (%)	
Static Fatigue				
Hardness loss at 40%	ISO 3385:2014		25 (%)	
Thickness loss at 40%			4 (%)	

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

Pink

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