



# AEROFOAM INDUSTRIES

*“Redefining comfort one seat at a time”*

## AF15FR-Lite

AF15FR-Lite is an Ethafoam polyethylene closed cell foam. AF15FR-Lite is flame retardant and suitable for use in commercial aircraft interiors.

AF15FR-Lite is a durable, flexible and inherently lightweight foam with excellent vibration and shock absorbency properties. AF15FR-Lite has outstanding dimensional stability and recovery characteristics. AF15FR-Lite's water resistant capabilities make it the ideal material to use as flotation cushion also.

AF15FR-Lite is one of the lightest foams available in the aircraft interiors industry today. It is the perfect base material for the ultimate in lightweight cushions.

PROPERTIES	ISO Standard	ASTM Standard	Imperial	Metric
Density	ISO 845	ASTM D3575	1.39 lbs/ft <sup>3</sup>	22.27 kg/m <sup>3</sup>
Tear Strength	ISO 8067:1995	ASTM D3574	7 lbs/in	0.79 n/m
Tensile strength	ISO 7214:1998	ASTM D3574	23 PSI	158.58 (kpa)
Elongation	ISO 7214:1998	ASTM D3574	125 (% min)	125 (% min)
Compressive Creep (1000 hrs @73f/23C)		ASTM D3575	10 (% max) @ 2.0 PSI	10 (% max) @ 13.8 (kpa)
Water Absorption	ISO 2896	ASTM D3575	0.3 lbs/ft	1.5 kg/m <sup>2</sup>
Compression Set	ISO 1856	ASTM D3575	< 20 %	< 20 %
Buoyancy		ASTM D3575	58 lbs/ft <sup>2</sup>	930 kg/m <sup>2</sup>
Typical mass per seat cushion		16" x 16" x 4"	14.5 oz	0.41 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
White

