



AEROFOAM INDUSTRIES

“Redefining comfort one seat at a time”

Duralite FR

DuraLite FR is an Ethafoam polyethylene closed cell foam. DuraLite FR is flame retardant and suitable for use in commercial aircraft interiors.

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

This combination of features makes it an excellent choice for load bearing areas in seat cushions such as primary seat bottom cushions and horse collars to protect exposed areas of the seat from impact, such as aisle side parts and headrests.

PROPERTIES	ISO Standard	ASTM Standard	Imperial	Metric
Density	ISO 845	ASTM D3575	1.7 lbs/ft ³	27.32 kg/m ³
Tear Strength	ISO 8067:1995	ASTM D3574	9 lbs/in	1.02 n/m
Tensile strength	ISO 7214:1998	ASTM D3574	32 PSI	220.63 (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 ²
Compression Set	ISO 1856	ASTM D3575	< 20 %	< 20 %
Buoyancy		ASTM D3575	58 lbs/ft ²	930 kg/m ²

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

COLOR
Clear

