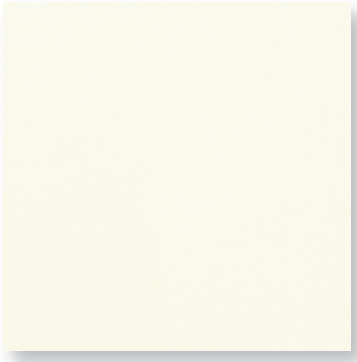
AEROFOAM INDUSTRIES

"Redefining comfort one seat at a time"

AFI11



AFI11 is a combustion modified high resilient polyurethane foam. High Resilience foam is an open cell, flexible polyurethane foam that has a less uniform cellular structure.

Polyurethane foam is made by a chemical reaction that creates a polymer surrounding by air cells. The layout and organization of the cell structure with its more irregular structure creates much greater structural integrity and makes the foam less prone to shear and compression. High resilient foams have much greater bounce, recovery and recover from compression much quicker. They typically last much longer than conventional foams and do not suffer as much height loss as conventional foams.

AFI11 passes the requirements of FAR 25.853a, 12 second vertical burn but does require an additional fireblocking layer to meet FAR 25.853c seat oil burn test.

AFI11 is our lowest density and softest HR foam and is ideal as a first contact layer in seat cushions and headrests.

PROPERTIES	ISO Standard	ASTM Standard	Imperial	Metric
Density	ISO 845	ASTM D3575	1.70 - 1.8 lbs/ft^2	27.23 - 28.83 kg/m^3
Hardness (IFD)	ISO 8067:1995	ASTM D3574	(11) lbs - 16 lbs	48.95 - 71.2 N
Sag Factor		ASTM D3574	2.4 min	2.4 min
Tensile strength	ISO 7214:1998	ASTM D3574	68.95 PSI	10.00 (kpa)
Elongation	ISO 7214:1998	ASTM D3574	125 (% min)	125 (% min)
Resilience		ASTM D3574	50 (% min)	50 (% min)

FLAMMABILITY	Standard	Result
12 Second Vertical Burn	CFR/CS 25.853 app F, part1a(1)(ii)	Pass
Seat Oil Burner	CFR/CS 25.853 app F part 2	With fireblocker

COLOR
Yellow

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