AEROFOAM INDUSTRIES

"Redefining comfort one seat at a time"

LRGR45-50

LRGR45-50 is our lightest weight & lowest density fire retardant memory foam. The LRGR line of foam is the only type of memory foam commercially available today that is suitable for use in commercial aviation interiors.

Memory foams or visco-elastic foams were developed by NASA as a solution for astronauts in zero gravity environments. The higher visco elastic properties of the LRGR range of foam, provides greater comfort and support by molding to the contour of the passenger which allows for a more even dispersion of pressure throughout the seat cushion. Typically memory foams have a higher density making it more supportive and heavier. The LRGR memory foams are unique in that they do not significantly increase the mass of the cushion beyond that of existing firehard polyurethane foams.

LRGR45-50 is an ideal foam for use as a comfort layer and with laminated seat covers. The super soft touch gives any seat cushion a luxurious tactility that improves the perceived comfort of a seat. The high rebound of the laminated memory foam effectively pushes the material back into shape, returning the seat cover to a wrinkle free surface.

PROPERTIES	ISO Standard	ASTM Standard	Imperial	Metric
Density	ISO 845	ASTM D3574	2.70 - 3.1 lbs/ft^2	43.25 - (45) - 49.66 kg/m^3
Hardness (IFD)	ISO 2439:2008	ASTM D3574	10 lbs - 17 lbs	44.50 - (50) - 75.65 N
Sag Factor		ASTM D3574	2.6 min	2.6 min
Tear Strength	ISO 8067:1995	ASTM D3574	1.3 lbs/in	0.15 n/m
Tensile strength	ISO 7214:1998	ASTM D3574	11 PSI	75.84 (kpa)
Elongation	ISO 7214:1998	ASTM D3574	125 (% min)	125 (% min)
Resilience		ASTM D3574	10 (% min)	10 (% min)
Typical mass per seat cushion		16" x 16" x 4"	1 lbs 14 oz	0.85 kg

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	Pass

COLOR
Gray

Aerofoam Industries, 31855 Corydon Street, Lake Elsinore, CA 92530, USA
T: +1 951-285-3416 | E: sales@aerofoams.com | www.aerofoams.com