AEROFOAM INDUSTRIES

"Redefining comfort one seat at a time"

LRGR45-100

LRGR45-100 is our firmest flame 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.

LRGR45-100's firmer density provides much greater support than the lighter LRGR45-50 and provides the highest level of anatomical cushioning of any foam commercially available in the market today. LRGR45-100 is ideally used for seat bottom cushions to alleviate hard spots, its pressure dispersion abilities are unrivalled in seat cushioning.

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	20 lbs - 29 lbs	89.00 - (100) - 129.05 N
Sag Factor		ASTM D3574	2.4 min	2.4 min
Tear Strength	ISO 8067:1995	ASTM D3574	1.4 lbs/in	0.16 n/m
Tensile strength	ISO 7214:1998	ASTM D3574	14 PSI	96.53 (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"	2 lbs 4 oz	1.02 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
Khaki

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