

THE SMART CHOICE FOR SEATING



No Flame Cushions are high quality silicone foam cushion systems designed for a wide range of cushioning and seating applications.



- Exceptional resistance to compression set for long term consistent cushioning and comfort.
- 10 year warranty.
- Superior weather and UV resistance for continuous high performance cushioning.
- Outstanding comfort. Very effective in distributing load evenly over cushion to reduce high pressure points and providing optimum passenger comfort.
- Excellent FST (flame, smoke and toxicity) characteristics meeting the most stringent Global standards.
- No additives – Unlike many foams used for rail cushioning which utilise additives or fillers to meet FST standards, No Flame Cushions does not contain fillers. This ensures life of the cushion durability, resistance to compression and comfort.
- Available in slab form or fabricated to customer specification.
- Tailored design to meet ergonomic, functional and spatial requirements.
- Complete high performance upholstered solutions (Leather, synthetic, Moquette) meeting FST, Anti Graffiti, Anti-vandal, Health and low maintenance requirements.

IMPROVE PASSENGER COMFORT

- Reduce Cost of Ownership – 10 Year Warranty
- Meet The Most Stringent FST
- Contribute to Sustainability Initiatives

NO FLAME CUSHIONS SILICONE FOAM AVAILABLE DENSITIES

PHYSICAL	TEST METHOD	NFC-6535	NFC-8055	NFC-9575
		TYPICAL VALUE	TYPICAL VALUE	TYPICAL VALUE
Density kg./m ³	ASTM D 1056	100kg./m ³	130kg./m ³	150kg./m ³
Tensile Strength psi	ASTM D 412	8 (55 kPa)	10.5 (70 kPa)	15 (100 kPa)
Elongation %	ASTM D 412	>60%	>60%	>60%
Indentation Force Deflection (@ 50.8 mm thick)	ASTM D 3574 B1	11.34kg to 20.41kg (3.5 - 6.0 kPa)	24.95kg (7.5 kPa)	34kg (10 kPa)
Compression Set, 50% compressed % Max	ASTM D 1056 Test D (70°C), 22 hrs (100°C), 22hrs	0% 0%	0% 0%	0% 0%
Durability	Jounce & Squim (1,000,000 cycles)	0% Height loss	0% Height loss	0% Height loss

FLAMMABILITY	TEST METHOD	NFC-6535	NFC-8055	NFC-9575
		TYPICAL VALUE	TYPICAL VALUE	TYPICAL VALUE
Flame Spread	ASTM E 162/ D 3675	<25	<25	<25
	BS6853	cat 1a (composite)	cat 1a (composite)	cat 1a (composite)
	BS 5852	crib 7 (composite)	crib 7 (composite)	crib 7 (composite)
	PrEN 45545	HL4	HL4	HL4
Smoke Density	ASTM E 662 1.5 minutes	<50	<50	<50
	4.0 minutes	<20	<20	<20
Vertical Flammability	FAR 25.853 (a)(1)(i) 60 sec FAR 25.853(a)(1)(ii) 12 sec	Pass	Pass	Pass
Toxic Gas Emissions	Bombardier SMP 800C	Pass	Pass	Pass

