



mason grogan  
**INDUSTRIAL**

SPECIALIST MATERIALS FOR DESIGN ENGINEERS



## The ultimate choice for seating

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

- Long-term consistent cushioning and comfort with a 10-year warranty
- Outstanding comfort. Very effective in distributing load evenly even with thinner profiles to reduce high pressure points and provide optimum comfort
- Excellent FST (flame, smoke and toxicity) characteristics meeting the most stringent Global standards
- No additives – unlike many foams, which utilise additives or fillers to meet FST standards, No Flame Cushions do not contain fillers. This ensures increased durability of the cushion, resistance to compression and improved comfort
- Tailored design to meet ergonomic, functional and spatial requirements
- Complete high performance upholstery solutions are available, including specialised technical textiles, leather and synthetic materials




# No Flame Cushion

## Product specifications

PHYSICAL	TEST METHOD	NFC-6535	NFC-8055	NFC-9575
		TYPICAL VALUE	TYPICAL VALUE	TYPICAL VALUE
Density kg./m <sup>3</sup>	ASTM D 1056	100kg./m <sup>3</sup>	130kg./m <sup>3</sup>	150kg./m <sup>3</sup>
Tensile Strength psi	ASTM D 412	8 (55 k Pa)	10.5 (70 k Pa)	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 k Pa)	34kg (10 kPa)
Compression Set, 50% compressed % Max	ASTM D 1056 Test D (70°C), 22 hrs (100°C), 22 hrs	0% 0%	0% 0%	0% 0%
Durability	Jounce & Squim (100 0,000 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

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