GALE COMMERCIAL

Commercial NinetyFive FR

Product Profile



The Proven Fire-Rated Benchmark in Architectural Shade

Commercial NinetyFive FR sets the global benchmark for fire-retardant (FR) knitted HDPE shade fabric, engineered to meet the most stringent international safety standards while delivering the ultimate balance of flame-resistant protection, structural strength, and long-term durability for schools, healthcare facilities, and high-traffic public spaces.

Technical Specifications

Fabric Properties	Metric - AS 2001.2.13 *(mass per unit)*	Imperial - ASTM D3776 *(mass per unit)*
Nominal Fabric Mass	340 gsm ± 20	10 oz / yd²
Approx. Thickness	1.6 mm	0.06 in
Temperature range	-30 – 70 °C	-22 – 158 °F

Roll Specifications	Metric *(mass per unit)*	Imperial *(mass per unit)*
Nominal Roll Width	1.5 m	5 ft
Fabric Width	3.0 m	9 ft 10 in
Length	40 m	131 ft 3 in
Approx. Roll Weight	44 kg	97 lbs
Approx. Roll Diameter	0.32 m	1.05 ft
Core Diameter	50 mm	1.97 in

Performance Data

Flammability		
Certification	**Test**	**Value**
AS 1530.2–Part 2 - Flammability Test	Flammability Index (Range 0-100)	1
AS 1530.3–Part 3 – Early Fire Hazard Test	Ignitability Index (Range 0-20)	13
	Spread of Flame Index (Range 0-10)	8
	Heat Evolved Index (Range 0-10)	3
	Smoke Developed Index (Range 0-10)	6
Reaction to Fire (Euroclass)	EN 13501-1:2018	B-s1,d0
Fire Behaviour	DIN 4102-1:1998-05	Class B1
CSFM (California State Fire Marshal)	Title 19, CCR §1237.1	Pass
NFPA (National Fire Protection Association)	NFPA 701 – Test Method 1 & Test Method 2	Pass
ASTM International	ASTM E84-19B	Class A
AFNOR	NF P 92-507	M1
UNE-EN 15619	EN 14115	T2

Maximum Force And Elongation - Strip Method *(AS 2001.2.3.1-2001)*	
Maximum Force – Warp (Mean)	590 N/50mm
Elongation at Maximum Force – Warp (Mean)	89 %
Maximum Force – Weft (Mean)	2000 N/50mm
Elongation at Maximum Force – Weft (Mean)	51 %
Breaking Force - Grab Test *(AS 2001.2.3.2-2001)*	
Breaking Force – Warp (Mean)	940 N
Breaking Force – Weft (Mean)	2100 N
Tear Resistance – Wing Rip Method *(AS 2001.2.10-1986)*	
Wing Tear – Warp (Mean)	189 N
Wing Tear – Weft (Mean)	295 N
Bursting Pressure – Hydraulic Diaphragm Method *(AS 2001.2.4)*	
Bursting Pressure (Mean)	3700 kPa
Bursting Force – Ball Burst Method *(AS 2001.2.19-1988)*	
Bursting Force (Mean)	1994 N

Shade Protection Fabric Performance *(AS 4174:2018)*

Colour	Cover Factor	Shade Factor	UV-vis Trans %	UVR Trans %	UVR Block %	UVE %	Protection Category
Aquamarine	93	87.3	12.7	6.7	93.3	92	Very Effective
Aquatic Blue	92	88.1	11.9	8.5	91.5	91	Very Effective
Black	95	94.8	5.2	5.0	95.0	94	Very Effective
Blue Bird	94	90.4	9.6	5.8	94.2	93	Very Effective
Bright Green	90	87.3	12.7	9.0	91.0	90	Effective
Brunswick Green	93	92.9	7.1	6.4	93.6	92	Very Effective
Cayenne	93	87.3	12.7	6.7	93.3	92	Very Effective
Charcoal	93	93.6	6.4	6.1	93.9	92	Very Effective
Cherry Red	90	80.0	20.0	10.0	90.0	90	Effective
Deep Ochre	91	90.5	9.5	8.3	91.7	90	Effective
Driftwood	95	89.0	11.0	5.4	94.6	94	Very Effective
Desert Sand	93	86.1	13.9	6.6	93.4	92	Very Effective
Gun Metal	96	94.5	5.5	3.5	96.5	96	Most Effective
Natural	94	78.3	21.7	6.5	93.5	92	Very Effective
Navy Blue	94	93.1	6.9	6.2	93.8	93	Very Effective
Orange	92	80.8	19.2	7.6	92.4	91	Very Effective
Rivergum Green	94	89.7	10.3	6.0	94.0	93	Very Effective
Royal Purple	91	87.9	12.1	8.6	91.4	90	Effective
Sky Blue	94	91.3	8.7	6.0	94.0	93	Very Effective
Steel Grey	92	89.7	10.3	7.6	92.4	91	Very Effective
Stone	92	80.3	19.7	8.1	91.9	91	Very Effective
Turquoise	94	89.5	10.5	6.6	93.4	93	Very Effective
White	95	76.5	23.5	5.4	94.6	94	Very Effective
Yellow	93	77.5	22.5	6.8	93.2	92	Very Effective

**Test results available upon request. Each colour individually tested and passes all certification criteria for above. Available in Flame Retardant and Non-Flame Retardant. Biaxial elastic material properties available on request. Select colors only available in made to order.*

The above results are typical averages from quality assurance testing and are not to be taken as a minimum specification nor as forming any contract between GALE Pacific and another party. Due to continuous product improvement product specifications are subject to alteration without notice. As the use and disposal of this product are beyond GALE Pacific's control, regardless of any assistance provided without charge, GALE Pacific assumes no obligation or liability for the suitability of its products in any specific end use application. It is the customer's responsibility to determine whether GALE Pacific's products are appropriate for the specific application and complies with any legal & patent regulations.

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Features and Benefits

- **Built-In Fire-Retardant Technology:** FRs and UV stabilisers are engineered directly into the fibers, not topically, ensuring consistent, long-lasting protection.
- **Dimensional Stability:** Stentered (heat-set) to prevent shrinkage and simplify fabrication, minimising re-tensioning and maintenance costs.
- **Extreme Strength:** 100% virgin grade polymers in a monofilament and tape construction for superior tensile strength, rot-proof performance, and moisture resistance.

Warranty & fabric attributes



12 Year Warranty



Lead & Phthalate Free



PFAS Free



Recyclable HDPE

Certifications & endorsements















Care & Maintenance

Do not use near open flames. Avoid contact with organic solvents, halogens, or highly acidic substances, as these will reduce service life and void the warranty.

For more information, visit **galecommercial.com**

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