



YOUR FINISHING
CHEMICAL EXPERTS

FLAME RETARDANT

Our flame-retardant technologies are changing the world of coatings. Our Biotex research and development teams can work out and advise on solutions that really help to match target standards.

—
match
target
standards
—

bluesign®

SYSTEM
PARTNER

—
match
target
standards
—

FlameGuard CP90 LF

- » Provides excellent fire-retardant performance to the cotton textiles
- » Strong durability in washing average 40 washes
- » Compatible with various post-finishing agents
- » Easy preparation of fire-retardant finishing liquid
- » Calendaring/baking/hot drying on resin processing machine, no additional equipment required
- » Active Component > 90 %
- » No impact on the strength and durability of the textile
- » Good hand feel after processing
- » High heat stability, non-toxicity and high safety
- » Extreme low formaldehyde

bluesign®

SYSTEM
PARTNER

www.biotex-malaysia.com

Protective workwear

Europe	EN ISO 11611	Welding and allied processes
	EN ISO 11612	Clothing to protect against heat and fame
	EN ISO 14116	Protection against heat and fame
	EN ISO 15025	Method of test for limited frame spread
	EN 61482-1-1	Electric arc test
	EN 469	Requirements for protective clothing for firefighting
Germany	DIN 66083	Classification for workwear
USA	ASTM D6413	Test method for fame resistance of textiles

Decorative fabrics and curtains

Europe	EN ISO 11925-2	Reaction to fire test for building products
	EN 13501-1	Classification of construction products and building elements
	EN 13772	Burning behavior – curtains and drapes
	EN 13773	Classification – curtains and drapes
Germany	DIN 4102	B1 classification
Switzerland	SNV 198898	Determination of the flammability
France	NF P 92-503 to 507	M1 classification
Italy	CSE RF 1/75 CSE RF 2/75	
USA	NFPA 701	Standard methods of fire tests for flame propagation of textiles

Upholstery fabrics

Europe	EN 1021	Ignitability of upholstered furniture
Germany	DIN 66084	Classification for upholstered furniture
UK	BS 5852	Ignitability of upholstered seating
	BS 7176	Resistance to ignition of upholstered furniture
France	NF P 92-503 to 507	M1 classification

Mattress and bedding items

Europe	EN 597	Ignitability of mattresses and upholstered bed bases
	EN ISO 12952	Burning behavior of bedding items
	EN 14533	Classification for bedding items
UK	BS 7175	Ignitability of bedcovers and pillows
	BS 7177	Resistance to ignition of mattresses, divans, bed bases

Transportation

Europe	Directive 95/28/EG	Burning behavior of interior materials in vehicles
USA	MVSS 302	Flammability of interior materials in passenger vehicles
	FAR 25.853	Compartment interiors for aviation

bioTex™

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