Our Black is beautiful

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.
FlameGuard CP

- 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 > 80%
- No impact on the strength and durability of the textile
- Good hand feel after processing
- High heat stability, non-toxicity and high safety

Protective workwear

Europe  EN ISO 11611  Welding and allied processes
EN ISO 11612  Clothing to protect against heat and flame
EN ISO 14116  Protection against heat and flame
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 flame 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

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