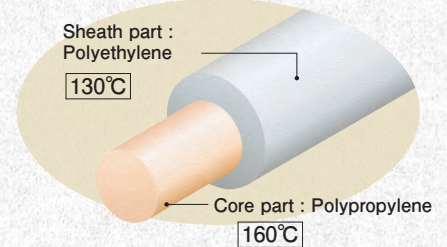


Environmentally-friendly Flame Retardant Fiber

New Binding Fiber FG

New Binding Fiber FG is a polyolefin sheath-core bi-component fiber without using halogen flame retardants, which is also a thermal bonding flame retardant fiber.

[Section of the bi-component fiber]

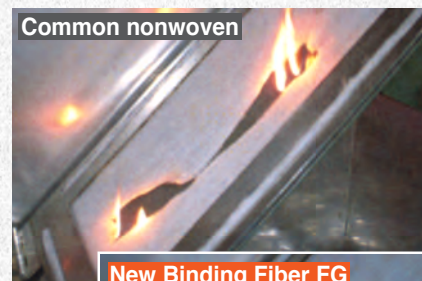


Features

- 1 Environmentally friendly and good adhesive flame retardant fiber without using halogen or phosphorus flame retardant.
- 2 Polyethylene is used for sheath component (melting point: 130 - 133°C), it has a good heat seal property.
- 3 Though flame retardant is kneaded in, fiber performance is maintained.
- 4 It is consisted of polyolefin resin, and therefore, its chemical-proof properties are high.

Fire-retardant test (45° Micro-burner method)

- 1 Comparison was made between New Binding Fiber FG and common thermal bonding nonwoven by the JIS standard burning test. You can clearly see that New Binding Fiber FG has more flameproof performance.
- 2 For a thermal bonding nonwoven of New Binding Fiber FG, the measurement result of L.O.I (Limited Oxygen Index) marked 28.1.



Application

- Applications requiring flame retardant property like air filters
- Building materials and others