

The logo for EN VIONEER, featuring the word 'EN' in white on a teal triangle and 'VIONEER' in white on a dark blue circle.

# FLAME RETARDANT NONWOVENS



Flame retardant nonwovens are expert in delaying the speed of heat and fire.

Flame retardant nonwovens are specialized at limiting the spread of fire, or even extinguishing the fire. The manufacturing process of flame retardant nonwovens by the wet-laid technology offers precise uniformity and superior quality amongst others.

## Features & Benefits

- Coated with flame retardant chemistry on the surface of the media
- Achieved all satisfactory results by Korea flame retardancy, smoke density and the semi-fireproof (grade 2 of flame retardant) tests
- Wide range of basis weights from 30gsm to 250gsm
- Available in white and black colours
- Suitable for use in wet conditions by preventing intense colour loss
- No hazardous substances

## Applications

- Furniture
- Construction region
- Building materials
  - Sandwich panel
  - Heading material



[Flame retardant nonwovens delay the spread of fire]



# FLAME RETARDANT NONWOVENS

| Classification                      |                      | ENV-White               | ENV-Black | Method                                       |
|-------------------------------------|----------------------|-------------------------|-----------|--|
| Main Material                       |                      | Cellulose + Glass Fiber |           |  |
| Basis Weight                        | gsm                  | 62                      | 53        | KS K ISO 9864                                |
| Thickness                           | mm                   | 0.22                    | 0.19      | KS K ISO 9863-1                              |
| Tensile Strength                    | N/25mm               | 15                      | 40        | KS K 0743                                    |
| Air Permeability                    | CFM                  | 135                     | 107       | ASTM D 737                                   |
| Flame Retardant                     | Performance          | PASS                    | PASS      | National Fire Agency Notification No. 2017-1 |
|                                     | Smoke Density        | PASS                    | PASS      | ASTME662-17                                  |
|                                     | Semi-non-combustible | PASS                    | PASS      | KS F ISO 5660-1<br>KS F 2271                 |
| Surface Colour                      |                      | White                   | Black     |  |
| Colour fall out (in wet conditions) |                      | X                       | X         |  |

All test methods are performed with reference to the KS standards.  
Their detailed procedure are regulated with internal inspection instructions.

## Properties

### Stability against heat and fire

Suitable for delaying the spread of fire by coating the surface of the product with flame retardant agents

### Various weight available

Available in weight ranges from 30gsm to 250gsm

### Colour fall out

Suitable for use in wet conditions by preventing intense colour loss

### Free of harmful chemicals

Free of hlogenens and antimony



[Black & White colour available]