



Technical Data Sheet

Product: 100% Polyester Fiber – Thermobonded (G4)

1. Product Description

Nonwoven polyester fiber, thermally bonded (thermobonding) without chemical binders. Designed for use in filtration, upholstery, insulation, and padding applications. Eco-friendly, recyclable, and hypoallergenic.

2. Technical Specifications

Property	Unit	Typical Value (G4)
Fiber Composition	%	100% Polyester
Bonding Type	-	Thermobonding
Thickness	mm	20 – 23
Weight (Basis Weight)	g/m ²	400 – 420
Air Permeability	L/m ² /s	≥ 2500
Tensile Strength (MD/CD)	N/5cm	≥ 120
Filtration Efficiency(Particle ≥10 µm)	%	≥ 90

3. Features & Benefits

- 100% polyester → durable.
- Excellent dust holding capacity.
- Low pressure drop with high air permeability.
- Resistant to bacteria, mold, and moisture.
- Lightweight and easy to cut or laminate.

4. Applications

- **Air Filtration:**Pre-filters, HVAC, industrial G4 class filters.
- **Furniture & Bedding:**Padding for sofas, chairs, and mattresses.
- **Insulation:**Acoustic and thermal insulation panels.
- **Packaging & Protective Layers.**

5. Packaging & Storage

- Supplied in rolls .
 - Standard roll width: 1.0 – 2.0 m.
 - Length: 20 – 50 m (customizable).
 - Store in a dry, ventilated place away from direct sunlight and moisture.
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