



Leading the Nanofiber market in

- Consistency • Versatility
- Commercial Viability

Technical Data Sheet | nTEX

- **Style Number:** (NP002) - nTEX - F9 synthetic filter media - hydrophobic treated
- **Description:** F9 - polyester/nanofiber - composite filter media
- **Construction:** Polyester nonwoven with nanofiber surface filtration layer
- **Finish:** Hydrophobic/Oleophobic

| Property | Target | Metric | Test Method |
|-----------------------|---|---|----------------------|
| Weight | 3.7 - 4.0 (125 - 135) | oz/yd ² (g/m ²) | ASTM D461 |
| | n/a | lb (lbs/3000ft ²) | TAPPI 410 |
| Air Permeability | 22 - 32 | ft ³ /min/ft ² (cfm) @ .5" H ₂ O | ASTM D 737 (U.S.) |
| | 105 - 155 | l/dm ² /min @ 200 Pa | DIN 53887 (Germany) |
| | 11 - 16 | cm ³ /cm ² /s @ 125 Pa | JIS L 1096-A (Japan) |
| Thickness | 0.016 - 0.020 (0.42 - 0.52) | inches (mms) | TAPPI 411 |
| Hydrostatic Head | > 30 | mbar (@20mbar/min ramp) | Ref. AATCC-127 |
| Water Repellence | > 5 | | AATCC-193 |
| Oil Rating | > 7 | | AATCC-118 |
| MERV Rating | 15 | | ASHRAE 52.2 |
| Filtration Rating | F9 | (> 70% efficient at 0.4 micron - neutralized) | EN779-2012 |
| Mullen Burst Strength | > 100 | psi | TAPPI 403 |
| Tensile Strength (MD) | > 110 | lbs/2" | ASTM D-461 |
| Tensile Strength (CD) | > 50 | lbs/2" | ASTM D-461 |
| Gurley Stiffness | MD > 800 | | TAPPI 543 |
| Available Widths | From 25.89 - 82.0 | inches | From 657 - 2,030mm |
| Process Data | Designed for rotary pleating. Pre and Post heat required. | | |
| Applications | Dry air filtration applications (pulse cleaned) Gas turbine intake and industrial plasma/fume welding etc. | | |

The above data is nominal and provided for information purpose only. This data is not to be construed as manufacturing specifications and is subject to change. All metric conversions are approximate.

Revision A

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