



Meltblown PP Fabrics

Technical Datasheet

Don & Low's Meltblown fabrics are produced using the most up-to-date manufacturing processes. Our line features are control of key process settings for material optimisation, in-line measurement and control of air permeability, bespoke melt additives and colours available for enhanced fabric properties, thermal flat calendar for in-line lamination.

Our state-of-the-art Meltblown line can produce fine fibres (0.5 – 3 µm) ideally suited for filtration of respirable particles. The diverse nature of our fabrics makes them an excellent choice for many air filtration applications.

Product Features

- ▶ Outstanding filtration performance
- ▶ Optimisation for high filtration efficiency while minimising air flow resistance
- ▶ Bespoke melt additives and colours available for enhanced fabric properties
- ▶ Electrostatic charging of filaments for enhanced sub-mi-cron particle filtration
- ▶ Thermal flat calendar for in-line lamination
- ▶ Available in weights ranging from 13 to 150 g/m² and widths up to 160 cm

| TEST | METHOD | Meltblown PP | | | | |
|----------------------------------------|-----------------|--------------|------|------|------|------|
| | | 13 | 20 | 20 | 25 | 25 |
| Fabric weight (g/m ²) | NWSP 130.1 | | (LR) | (HE) | (LR) | (HE) |
| Air permeability (l/m ² /s) | NWSP 070.1 | 400 | 540 | 315 | 480 | 290 |
| Thickness (mm) | NWSP 120.1 | 0.25 | 0.37 | 0.32 | 0.37 | 0.35 |
| Filtration Efficiency (%) | NaCl @ 5.3 cm/s | 98.1 | 94.2 | 98.2 | 94.8 | 98.3 |
| Air Flow Resistance (Pa) | 5.3 cm/s | 33 | 26 | 37 | 30 | 41 |

LR = low resistance, HE = high filtration efficiency



All products are manufactured under BS EN ISO 9001.

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