

Polyester Needlefelt (Thermal Bonded)



PRODUCT FEATURES

100% polyester with a needled graduated layer that offers depth to ensure finer filtration and good dirt holding capacity. The inert stable media has good tensile strength and high levels of filtration, making them an excellent choice for your filtration needs.

As one of the most economical disposable filter materials available, polyester needlefelt is often a popular choice – especially in bag filter and pocket filter formats. The material starts as 170g – 284g lay-on-polyester, it is then needled to a dense mat approximately 3 mm thick, making needled polyester suitable for applications that require a finer and more efficient filter.

Widely used on inclined pressure and vacuum filter systems, polyester needlefelt is best suited for low and medium viscosity liquids. The calendared finish on the clean side reduces fibre migration and provides an excellent filter cake release. Filtration ranges nominally from 10 - 55 micron dependant on the weight of the paper media.

DATA

Weight g/m ²	100	150
Thickness mm	0.85	1.1
Wet Tensile Strength MD N/5cm	170	250
Wet Tensile Strength TD N/5cm	220	350
Extension Dry (%) MD	50	45
Extension Dry (%) TD	75	65

Please note the values indicated are typical and subject to variation.

KEY FEATURES

- ✓ Superior filter performance
- ✓ Strength
- ✓ Good dirt loading
- ✓ Use in Hydrostatic, Pressure and Vacuum Filter Systems
- ✓ Competitively priced

TYPICAL APPLICATIONS

Turning · Drilling & Milling (20-35gm) · Grinding · Honing · Lapping (35-100gm)