

Technical Datasheets

Filter Media in Reticulated Polyether Foam

Reticulated polyether foam is a technical filtering material primarily used in applications requiring high air permeability, good moisture resistance, and flexibility in cutting and shaping. Thanks to its open-cell structure, it effectively filters particles, dust, and impurities in both dry and humid environments, making it suitable for a wide range of sectors.

Key Features:

- Open-cell structure ensures excellent air permeability and effective particle and dust retention
- Water-repellent options available with specific surface treatments
- Variable density (typically from 18 to 30 kg/m³) depending on application requirements
- Customizable thicknesses, from a few millimeters up to several centimeters
- Available colors: black, grey, blue, and custom colors upon request

Available Formats:

- Standard sheets up to 2000 x 1500 mm (custom sizes available)
- Thin rolls for continuous or strip-based applications
- Die-cut and custom-shaped parts for OEM and tailored solutions
- Full blocks for specialized machining and shaping

Main Applications:

- Air filtration in HVAC systems, small appliances, fans, and compressors
- Water and non-aggressive liquid filtration
- Automotive industry: pre-filters and sound-absorbing panels
- Technical packaging and precision protection
- Medical and cosmetic sectors: applicator sponges, padding, and more

Advantages:

- Lightweight and easy to process
- Reusable and washable (in many versions)
- Cost-effective and highly versatile
- Also available in flame-retardant versions (UL or M1 class upon request)