

Woven Monofilaments as a Reusable Filter to Reduce Waste

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Woven monofilaments have been used in precision filtration applications including the separation of solids from liquid, sorting solids by particle size, and also to separate liquids by their surface tension. The two major industries that use these types of filtration media are the medical and automotive segments. In the medical industry these materials are mainly single use precision filters, however in the automotive market many of these filters are “lifetime” filters.

The demand for more sophisticated medias in filtration is growing with tighter product and environmental standards. A large part of the filter media market is for non-reusable products such as paper, felt, and various other non-woven medias that are relatively inexpensive. Can monofilaments be a substitute that can improve filtration efficiencies while extending the life of these filters?