

This invention can be used in process, designed for cleaning of neutral and aggressive liquid and gas media from mechanical foreign particles. The method of fabrication of cartridge filter element involves production, from melt mix of fiberformative and matrix polymers, using a method of extrusion through a formative head, with formation of a melt stream, of complexcomposite monothread 0.3-0.5 mm in diameter, cooling the thread and winding it onto perforated hollow core, and the subsequent extraction of the matrix polymer with a solvent inert relative to the fiberformative polymer. The complex microfiber threads, obtained after the extraction of matrix polymer from the composite monothread 1.1-1.5 mm in diameter, are additionally wound onto the perforated core in order to increase density and uniformity of the filter layer. This invention provides effective cleaning of liquid and gas media from mechanical foreign particles over 0.4 mm in dimension.