

S3.4.1 DETERMINING THE 'OPENING' OF A WOVEN FILTER MEDIA

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Woven filter media can be found in a lot of filtration applications. One very important selection criterion is the pore size of the filter medium. Unfortunately the determination of this size is difficult especially when pore sizes go to low micron values. Determined pore sizes for one mesh can deviate by up to 30 % depending on the testing method used. In this session the basic problem of pore size determination will be discussed. Different testing methods, featuring common and newly developed ones, will be shown and evaluated. The results will be analyzed, giving an idea for the ideal selection of a woven filter medium for an individual filtration task.