

ECTFE Meltblown and Comparison Against Base Resin Technical Data Sheets Leading to Filtration Applications

Starting with the properties measured by our Fluoropolymer supplier, we looked for key parameters of interest in Filtration Applications.

ECTFE is the first Fluoropolymer to be meltblown into fibrous nonwoven structures. Hence, we have measured the fiber size distributions as a function of grammage, surface tension as both charged and uncharged nonwovens, and for air applications the TSI 8130 sodium chloride particle challenge at various flow rates. For the Liquid Filtration applications, we looked for ozone resistance in water processes to go along with our current data from PMI mean flow pores sizes as a function of different IPA bubble points.

In conclusion, we have found the properties we measured on fine fiber meltblown structures matched the data presented for bulk base polymer resin

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