

A NEW SPUNLACED FILTER MEDIA FOR AUTOMOTIVE PAINT FILTRATION

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ABSTRACT

DuPont has developed a new spunlaced media that is not point-bonded for ~20% more available filtration area; and thus, provides for significant increased filter capacity. This paper will discuss its filtration properties, some challenge test results, how it compares to some competitive needled-felt media (used in the automotive paint filtration market), and some full-scale case histories where it was successfully evaluated and implemented.

Bio Sketch

*Dr. Mayer is a Senior Consultant with DuPont, Wilmington, DE specializing in SLS technology since 1980. He gets his B.S. and M.S. Chem. Eng. degree from Columbia University, New York City, NY and Ph.D. of Chem. Eng. from U of Delaware, Newark, DE. Dr. Mayer has a brilliant professional career; among his numerous awards are Tau Beta Pi, Sigma Xi, Deans' Lists, 3 Eng. Excellence Awards, 7 Environmental Respect Awards, Class 'A' bonus, AFS Tiller award in 1995 and AFS Fellow award in 2000. Dr. Mayer, in 2005 was awarded the AFSS Lifetime Achievement Award in 2005—the first non-academic so honored.*

*He is a member of AWWA, AICHE, WEF, and AFS&S (Board of Directors since 1988, Chairman of Chapter Affairs and Users Committee; plus member of two other committees). He has organized/chaired one technical conference and is the Co-chair of World Filtration Congress in 2004. He published over 200 papers/publications and 2 patents. In 1991, a remediation technology developed by him was accepted into the EPA SITE program. His name is listed in Who's Who in America; Who's Who in Science and Environmental Technology; etc.*