

S1.2.2 ADDRESSING CHALLENGES IN FLAME RETARDANT AIR FILTRATION MEDIA

Gary Anderle, Mark Wolfinger
Lubrizol

Regulation drives innovation in the chemical industry. Customers who use polymers and chemicals are also forced to modify their products. Flame retardant chemistry has evolved in the face of mounting regulatory pressure. Flame retardant air filtration media applications suffer the same regulatory barriers. This paper showcases new polymeric materials that can address performance needs and meet growing regulatory pressures around the globe. New flame retardant non-halogen based polymer platform technology for cellulosic and glass media will be presented as it applies to air filtration performance. Pressure drop, vertical burn performance, thermal stability versus benchmarks will be presented.