



FLUOROCARBON CASE STUDY

A THERMOPLASTIC COVER PLATE, FITTED TO A MIST SPRAY NOZZLE IN FIRE SUPPRESSION SYSTEMS

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THE CHALLENGE

A thermoplastic cover plate, fitted to a mist spray nozzle in fire suppression systems, would 'burst' when the nozzle reached a known temperature, allowing the water mist to be released. However, being white thermoplastic, it was undetectable visually, radiographically and magnetically so was, therefore, not approved for use in the food preparation industry.

THE SOLUTION

Fluorocarbon provided FL603, PTFE that included special filler to allow visual, X-ray and magnetic detection and still meet FDA requirements needed to gain approval.

THE OUTCOME

Our client was able to gain entry into additional markets, and provide customers with a more cost effective product compared to the electrically wired systems previously used.