

Case study

Detectable grade of PTFE for use in the food industry



Product: A thermoplastic cover plate, fitted to a mist spray nozzle in fire suppression systems.



Industry - [Food & Beverage](#)

At Fluorocarbon, we design and manufacture a wide range of products to suit applications in the food & beverage, and industrial bakeware market

including food fill and food processing equipment. Components made from Fluorinoid® materials can help reduce maintenance costs, increase throughput and reduce downtime. We take great care when selecting materials to ensure FDA approvals are met.



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 allowable for use in the food preparation industry.



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. This allowed our clients to expand their market sector targeting and provided a more cost effective product in comparison to the electrically wired systems previously used.

Find out how Fluorocarbon can help your company improve efficiency and save money at www.fluorocarbon.co.uk email info@fluorocarbon.co.uk or call us on 0845 2505 100