



**FLUOROCARBON**

# CASE STUDY

F-LON® 9000

HIGH TEMPERATURE COATING FOR BRITISH  
AMERICAN TOBACCO

AT A GLANCE 

Industry: Tobacco  
Product: Sealing plate for  
tobacco pouches

F-LON® 9000 has an excellent non-stick and superior abrasion resistance at High Temperatures. It also exhibits high level of hardness, heat dissipation, and is capable of corrosion & chemical resistance.



## THE CHALLENGE

Our client wanted to prevent loss of production time due to tobacco sticking to the sealing plates.

Plates need to be cleaned twice during each shift at 10 minutes per clean. If plates are not cleaned this causes bad seals on the pouches.

PTFE is banned in the tobacco industry so British American Tobacco has been unable to use any sort of non-stick coating previously.

## THE SOLUTION

F-LON® 9000 is a PTFE free non-stick ceramic coating. This was trialed on one line on one machine and reduced downtime from 4.8% to 2.5%.

Alongside its high temperature resistance (up to 450c) & extreme hardness (up to 9H) its physical characteristics provides excellent chemical, scratch and abrasion resistance. Plans are now in place to use F-LON®9000 on all lines on all machines and trial different areas that may benefit from the protection.

## BENEFITS

### Benefit One

F-LON® 9000 is a PTFE free non-stick ceramic coating, enabling this coating to be used in this industry.

### Benefit Two

Downtime reduced from 4.8% to 2.5%