

Additives identification on surface of polymer

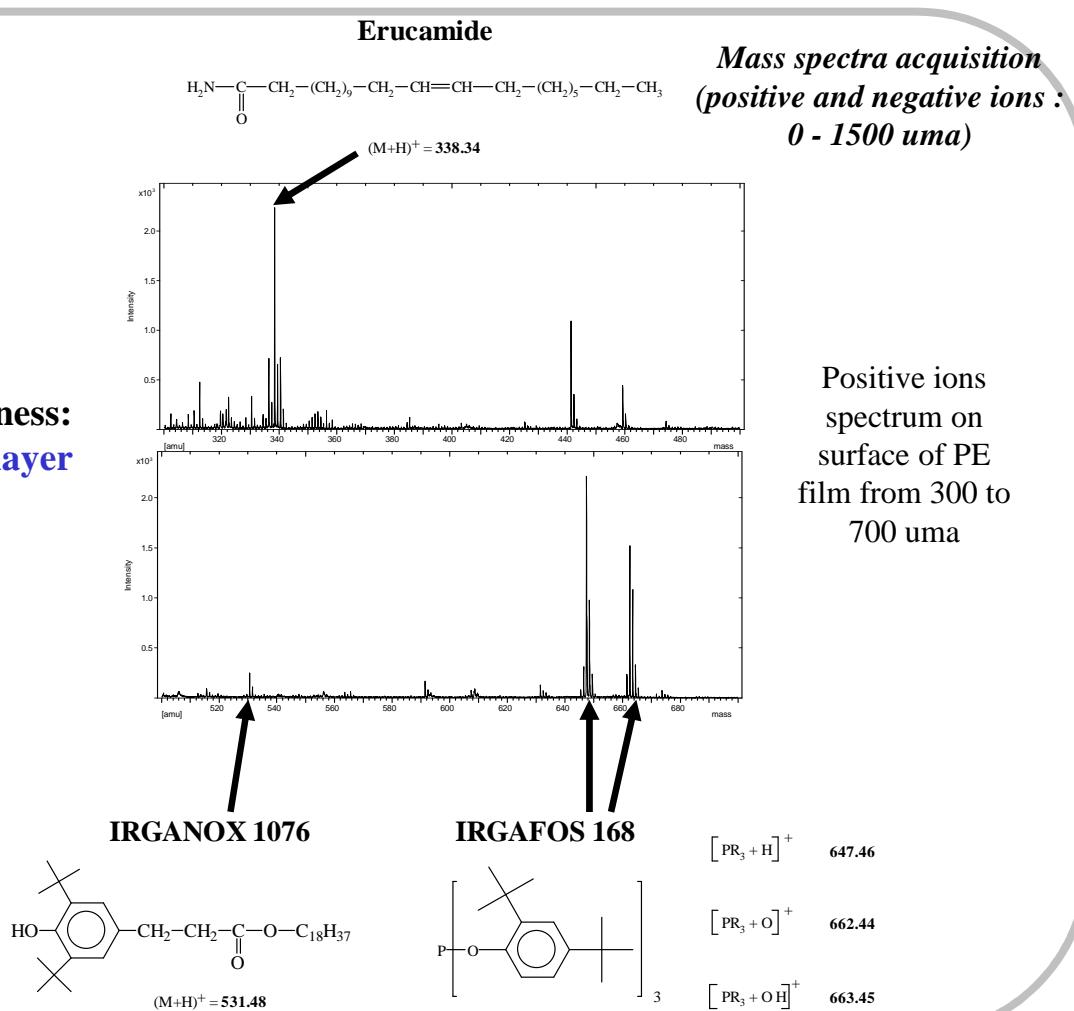
Subject: Identification of additives on PE film

Technique: **ToF-SIMS**

- ✓ High resolution mass spectrometry (no sample preparation)
- ✓ Identification available through *molecular peaks*

Results:

**Analysis thickness:
the first monolayer**



Conclusion:

- Two antioxidants/stabilizer additives have been identified on surface of the film : **IRGAFOS 168** and **IRGANOX 1076**
- A slip agent is also present: **Erucamide**

Such a characterisation is of interest when the film is to be used for sticking, printing, in composite assembly ...