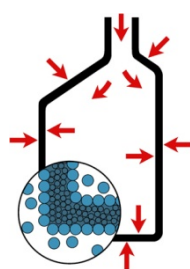


CASE STUDY

'The need for a barrier'

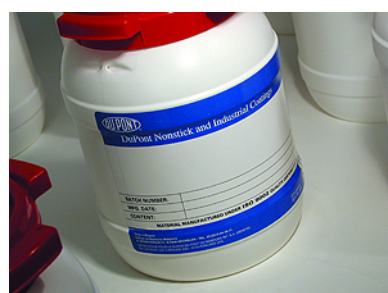
SOMETIMES PLASTIC NEEDS A HAND TO PERFORM OPTIMALLY

Plastic is extremely well suited as raw material for packaging and offers many advantages in comparison with alternatives such as cardboard and metal: it is clean, safe, light-weight and yet robust. Despite these excellent physical properties, plastic also has disadvantages, one of them being the permeability. The molecular structure of plastic is relatively open and allows certain chemicals to pass through easily. When



it comes to plastic packaging, escape results in product loss, contamination and damage. CurTec has found a solution for permeation of chemicals through plastic: fluorination.

Fluorination is a process which involves treating under certain conditions a standard plastic container with fluorine to create a permanent barrier preventing the material inside the container from seeping out. Fluorination is also used in the manufacture of plastic petrol containers for the car industry. The process not only has a protective function but also improves the thermal stability and chemical resistance of the plastic.



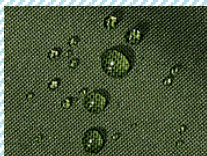
DuPont uses fluorinated 6 litre drums for packing Teflon® coatings. These containers are a first class alternative to glass and metal packaging which is normally used for this type of goods. Fluorinated drums are shipped worldwide.

Fluorination is not a standard treatment and is only carried out upon customer request.

Formulating requirements for packaging is not easy. There are many factors that will influence your decision and it is important that you identify them all to find the best solution. This is where CurTec can help you.

CASE STUDY: 'EVERY SUPPLY CHAIN HAS IT'S RISKS'

Teflon® is used for a wide variety of applications ranging from cookware to automotive and textile to house and garden.



FREE SCAN

Formulating packaging requirements is not an easy task. But CurTec can assist you. Let us review your supply chain! We can perform a **Packaging Scan** which results in a **FREE** guideline that helps you to select the optimal packaging solution.

[LEARN MORE](#)



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