Anti-counterfeit epoxy coatings as transparent, flame retardant and photoluminescent packaging component

Contrasting counterfeit based on the illegal trade and the introduction of forged products on the market includes the application of anti-forgery marks on the product package. Composite coatings based on epoxy resins implemented as packaging component can be particularly suitable for this goal. Coatings based on epoxy resins must satisfy stringent legislations, especially related to sustainability and fire resistance. Also, the possibility to exploit waste-derived fillers for epoxy resins to manufacture responsive composite materials is highly desirable. The development of flame retardant and transparent multifunctional coatings may be promising for conferring enhanced anti-forgery properties to different products and thus very useful for a company which needs to protect the reputation of its brand.

The production of an innovative solution for anti-forgery applications will be your challenge!

Your profile

You are the perfect fit for this position if you:

- *have just concluded a PhD in Industrial Product and Process Engineering or related ones.*
- *have just concluded a master's degree with high scores and in the field of Chemical Engineering, Materials Engineering, Chemistry or Industrial Chemistry.*
- *are eager to learn new chemistry/ material science lab skills and collaborate with Philip Morris International in a novel and exciting project.*
- *are able to think independently and communicate well with others in the Chemistry group/your supervisor.*
- *wish to experience what an industrial project expects from and offers to you.*

Benefits

- *The duration of the contract will be one year starting from end of February.*
- *The contract provides for a considerable monthly salary.*

Info

- **Workplace: Department of Chemical, Materials and Production Engineering (University of Naples Federico II).**

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