

Functionalization and surface modification of microfibrillated cellulose

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year

Converting Biomaterials Packaging

The proposal concerns a new European project. Partner mainly involved in chemical modification of microfibrillated cellulose (MFC) surface following different innovative strategies in order to help for scale-up with new rheological properties. The main tasks will consist in:

- Optimisation of functionalized cellulose nanofibres
- Rheology suspension analyses
- Production of high quantity of modified cellulose nanofibres
- Coating and end-use properties analyses

In this project, surface modification of microfibrillated cellulose (MFC) will be investigated using different technologies of functionalization or grafting in different media of reaction.

References

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