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Authors: Paul Decaen, Agnès Rolland-Sabaté, Sophie Guilois, Vanessa Jury, Nadine Allanic, Gaël Colomines, Denis Lourdin, Eric Leroy



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Choline Chloride vs Choline Ionic liquids for starch thermoplasticization

Paul Decaen^{a,e}, Agnès Rolland-Sabaté^{b,e,f}, Sophie Guilois^{b,e}, Vanessa Jury^{c,e}, Nadine Allanic^{d,e}, Gaël Colomines^{d,e}, Denis Lourdin^{b,e}, Eric Leroy^{a,e,*}

- a. UBL, CNRS, GEPEA, UMR 6144, CRTT, 37, Boulevard de l'Université, 44606 St Nazaire Cedex, France.
- b. UR1268 Biopolymères Interactions Assemblages, INRA, F-44300 Nantes, France.
- c. UBL, ONIRIS, CNRS, GEPEA, UMR 6144, Rue de la Géraudière, CS 82225, 44322 NANTES CEDEX 3
- d. UBL, IUT de Nantes, CNRS, GEPEA, UMR 6144, OPERP, 2 Avenue du professeur Jean ROUXEL, BP 539, 44475 Carquefou, France.
- e. IBSM, Rue de la Géraudière, BP 71627, 44316 Nantes cedex 3, France.
- f. UMR408 Sécurité et Qualité des Produits d'Origine Végétale, INRA, Université Avignon, F-84000, Avignon, France.

* Corresponding author: Email : eric.leroy@univ-nantes.fr ;

Phone : +33 240172660 ; Fax +33 240172618

Highlights

- Cholinium salts allow efficient starch thermoplasticization in presence of water.
- Starch chain scission mechanism results in low specific mechanical energy input.
- Starch glass transition depression is lower for cholinium salts than for glycerol.
- Choline Cl is an efficient starch plasticizer despite not being an ionic liquid (RTIL).

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