

# Bioplastics product profile

## PLA injection molded single-serve capsules



### Luminy® PLA for single-serve capsules:

- Biobased
- Reduced carbon footprint
- Compostable
- Recyclable
- Can withstand boiling water

Working together, a number of our partners in the value chain have been the first in the world to have developed a bioplastic alternative for single-serve coffee- and tea capsules. The new capsules are made from PLA, (Poly Lactic Acid) based on Luminy® neat PLA resins.

The bioplastic capsules are intended as a more sustainable, biobased alternative to traditional, aluminium-based capsules. Furthermore, they are industrially compostable according to EN13432.



Total Corbion PLA is a global technology leader in Poly Lactic Acid (PLA) and lactide monomers. PLA is a biobased and biodegradable polymer made from annually renewable resources, offering a reduced carbon footprint versus many traditional plastics. The Luminy® PLA portfolio, which includes both high heat and standard PLA grades, is an innovative material that is used in a wide range of markets from packaging to consumer goods, fibers and automotive. Total Corbion PLA, headquartered in the Netherlands, will start up a new production plant in Thailand in the second half of 2018. The company is a 50/50 joint venture between Total and Corbion.

© Copyright 2018 Total Corbion PLA. All rights reserved. No part of this publication may be copied, downloaded, reproduced, stored in a retrieval system or transmitted in any form by any means, electronic, mechanical photocopied, recorded or otherwise, without permission of the publisher. No representation or warranty is made as to the truth or accuracy of any data, information or opinions contained herein or as to their suitability for any purpose, condition or application. None of the data, information or opinions herein may be relied upon for any purpose or reason. Total Corbion PLA disclaims any liability, damages, losses or other consequences suffered or incurred in connection with the use of the data, information or opinions contained herein. In addition, nothing contained herein shall be construed as a recommendation to use any products in conflict with existing patents covering any material or its use. TOTAL is a trademark owned and registered by Total S.A., used under license by Total Corbion PLA BV. CORBION is a trademark owned and registered by CORBION N.V. used under license by Total Corbion PLA BV.

