

PLA

Polylactic acid or polylactide, biodegradable

Biodegradable compound suitable for injection moulding application with a BBC (biobased carbon content) above 85%

MATERIAL PROPERTIES

Material complies with EN 10/2011 and FDA 21 CFR for food contact. It shows good flow behaviour and is suitable for packaging applications



APPLICATION

Food packaging for coffee capsules, single use containers or single use cutlery. Biodegradable PLA can also be used in convenience products such as smartphone covers, cups, bottles or technical parts with little demands regarding mechanical performance

INVESTIGATION

Material shows significant fluctuations of viscosity. This varies not only from batch to batch but also from cycle to cycle. With controlling shear rate and shear stress in the injection phase these fluctuations can be stabilized and flow behaviour can be improved. This leads to less variations of mechanical properties and improves dimensional stability

