

# BrightBio® LOIMU Plastic Replacement



Brightplus



## WHY BrightBio® LOIMU?

Many of the existing plastics solutions are fossil based and form microplastics and other harmful chemicals into our environment. BrightBio® LOIMU is a biobased and sustainable material, which is ideal for replacing fossil-based plastics in various applications. LOIMU biomaterial is a result of long scientific research, fully designed and manufactured in Finland.

BrightBio® LOIMU has excellent melt processing properties and is available in several different grades, with varying properties and application specifications. Depending on the application, the emphasis of the material can be, for example, biodegradability or recyclability.

BrightBio® LOIMU reduces the circularity gap and is designed to meet the highest EU's Green Deal 2030 carbon neutrality targets.

## FEATURES

- Made of biobased non-toxic raw materials.
- Reduces the Circularity Gap.
- Carbon neutral – meets the highest EU's Green Deal 2030 carbon neutrality targets.
- Excellent melt processing properties.
- HSE benefits.

### EXAMPLE PROPERTIES OF DIFFERENT BrightBio® LOIMU GRADES

Property	BrightBio® LOIMU D55	BrightBio® LOIMU C73
Excellent injection moulding properties	x	x
Transparency		x
Glossy surface	x	x
Good chemical resistance	x	x
Flexible/Semi-rigid	x	

### EXAMPLE APPLICATIONS OF DIFFERENT BrightBio® LOIMU GRADES

Application	BrightBio® LOIMU D55	BrightBio® LOIMU C73
Cosmetics packaging	x	x
Injection moulded/Thermoformed objects	x	x
Containers	x	x
Barrier applications	x	