



Brightplus



BrightBio® LOIMU biobased plastics for you

Our BrightBio® LOIMU biopolymers can functionally replace most plastics and typically fit as drop-in solutions to customers' processes. Source materials are nature's own renewable monomers and polymers.

LOIMU biopolymer family is based on critical and high-demand functionalities like transparency, flexibility, elasticity and impact resistance.

Brightplus is an innovative renewable materials manufacturing company from Finland. We specialise in design and development of new functional properties for industrial biomaterial solutions.

We cater for industries like consumer goods, cosmetics, construction and packaging.

Read more: www.brightplus.com



LOIMU product family includes products with renewable content as high as 99.5 %.



Biodegradability is being tested according to ISO 13432 standard by TÜV.



Majority of LOIMU products contain industrial side-streams, such as bio ash and modified soybean oil.



Reach ambitious levels of process stability

LOIMU products	Bio-content (%)	Biode-grades	MFI (190°C)	Tensile Strain (%)	Tensile Strenght (MPa)	Processing	
C73	99.5%	Yes	14	5.2	66	IM, Vacuum forming	Clear
D11	68%	Yes	10	12	22	IM	Tough
D55	80%	Yes	9	110	35	IM	Tough (hinge)
D75	88%	Yes	22	20	48	IM	High Flow
E30	25%	No	7	> 800	20	IM	Flex Shore D47
K25	86%	No	7	280	35	IM	High impact
K35	65%	No	10	> 300	38	IM	High imp.low temperature

Density 1.2-1.3 for all.

Processing

- Injection Molding
- Blow Molding
- Extrusion
- Vacuum Forming

Applications

- Sheets
- Pipes, tubes, cables, wires
- Films

FOR FURTHER INFORMATION

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