Lextar

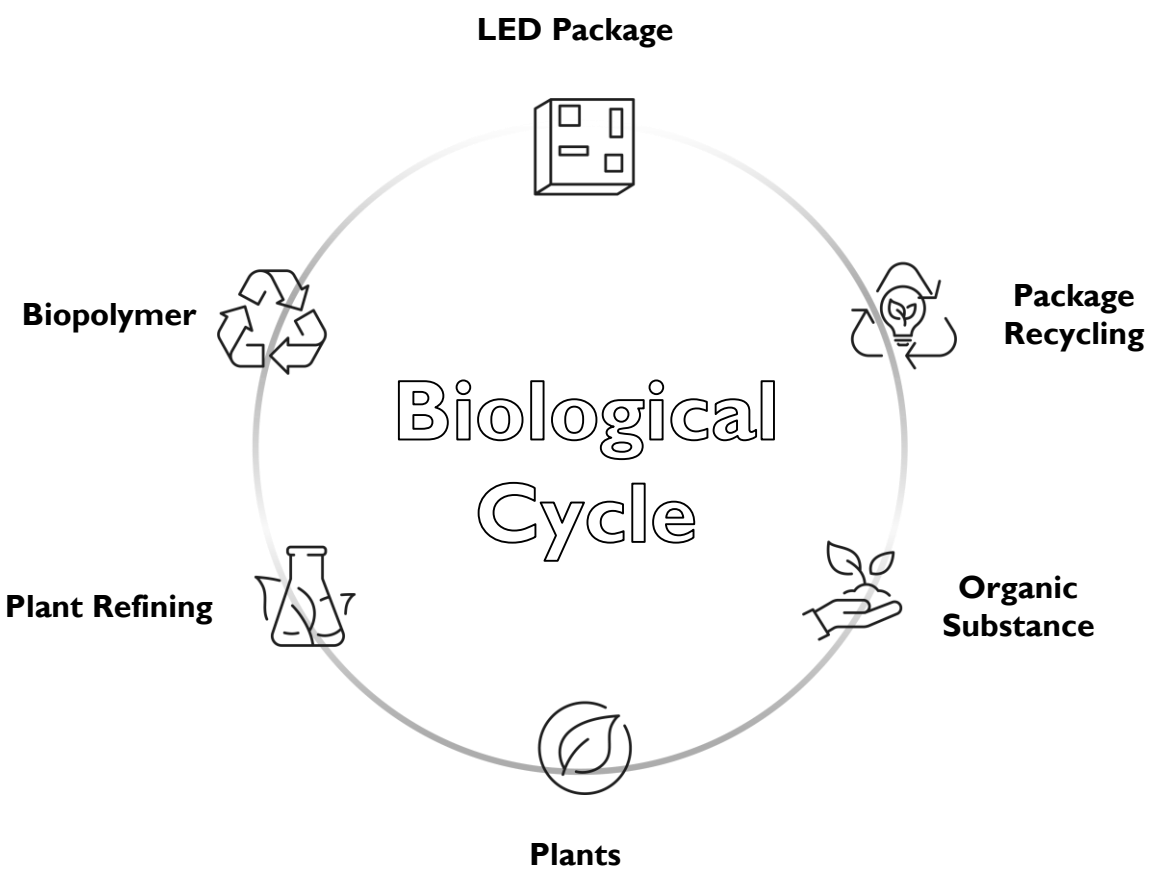
Bioxtar -
A New Era of Sustainability and Green

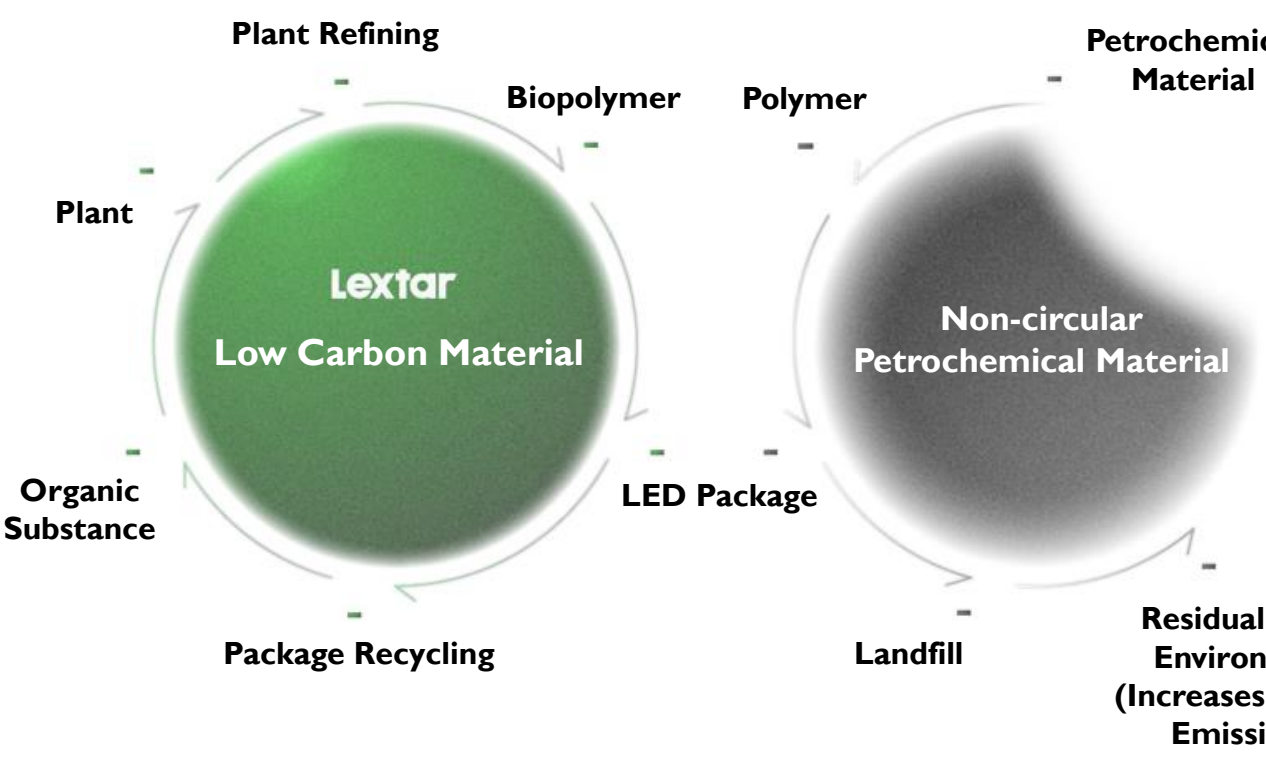
Lextar has developed biomass material for LED package to reduce carbon emission by up to 75% and maintain the same product quality or even better. Sustainable development is vital for the future of earth and society. Developing biomass material is necessary to reduce our reliance on non-renewable resources, such as fossil fuels, and decrease the environmental impact of manufacturing processes. Lextar will continue innovate sustainable products to build a better world.

Features:

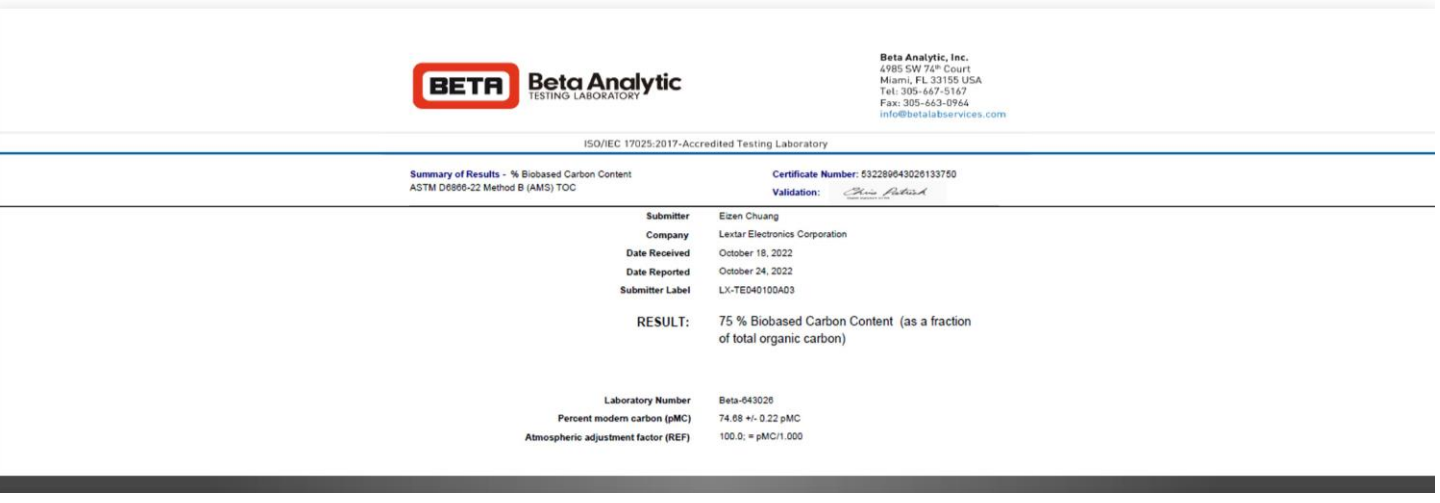
- Lextar's proprietary technology
- World premiere of LED green encapsulation
- Bio Material (Biomass content ≧ 75%)
- Extract biomass content from plant raw materials to reduce by up to 75% carbon emissions
- Same function as petrochemical glue (Transmittance≈ 80%)

Derived from Nature/ Applied to Life/ Return to Nature





Biomass content up to 75% by ASTM D6866



Beta Analytic
TESTING LABORATORY

Beta Analytic, Inc.
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Miami, FL 33155 USA
Tel: 305-667-5167
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ISO/IEC 17025:2017-Accredited Testing Laboratory

Summary of Results - % Biobased Carbon Content
ASTM D6866-22 Method B (AMS) TOC

Certificate Number: 532289643026133750
Validation:

Submitter	Eizen Chuang
Company	Lextar Electronics Corporation
Date Received	October 18, 2022
Date Reported	October 24, 2022
Submitter Label	LX-TE040100A03
RESULT:	75 % Biobased Carbon Content (as a fraction of total organic carbon)
Laboratory Number	Beta-643026
Percent modern carbon (pMC)	74.68 +/- 0.22 pMC
Atmospheric adjustment factor (REF)	100.0; = pMC/1.000

- ✓ Reduce carbon emission by up to 75%
- ✓ Maintain the same product function and quality as the counterpart made from petrochemical material or even better

Lextar's Bio-based Glue	Product	Petrochemical Glue
✓ 9060Kg CO2e	CO2e Emission	36240Kg CO2e
≈80%	Transmittance (T%)	≈80%
D30-D80	Hardness (shore D)	D30-D80