Packaging innovation that protects products and the planet

Reduce your carbon emissions by 85% with molded biobased foam beads packaging

TotalEnergies Corbion, a leading PLA producer, and USEON, a foaming equipment manufacturer, have introduced a machine that turns biobased PLA pellets into foam beads for packaging, buffering, and food insulation.

Luminy® PLA: Low carbon impact without compromise

- >99% biobased, made with GMO-free sugarcane
- Industrially compostable with no persistent microplastics
- No moisture uptake
- Withstands heavy loads compared to cardboard solutions

Physical properties	Method	Typical value [1]
Density	GB/T 634; ISO 845	27 kg/m^3
Compressing strength (10%)	GB/T 8813; ISO 844	120 KPa
Thermal conductivity	Internal method	0.035W/(m·K)
Water absorption (sink, 96 hrs.)	GB/T 8810; ISO 2896	2.6%
Shape stability (70°C)	GB/T 8811; ISO 2796	Max. 0.34%

[1] *Typical properties, not to be interpreted as specifications.*

Luminy® EPLA is a styrene-free alternative solution to EPS, EPP, and cardboard solutions. Scan the QR code to get in touch!

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TotalEnergies Corbion X useon

Innovative bead foaming machinery meets reliable sustainable materials

From Raw Material to Final Product
A Complete Solution

- **Full Beads Production Line** with comprehensive know-how transfer
- **Molding Machinery & Process Support** tailored to your needs
- **Compatibility with Existing EPP Equipment** – no need for major investment
- **On-site Installation Guidance** by our experienced team
- **Hands-on Operation Training** to ensure smooth production

Contribution through Cooperation
We grow together with our partners

Walk The Talk

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