UKHI

NEXT-GEN COMPOSTABLE COMPOUND.

Product Catalog 2026



BIOMATERIAL INNOVATIONS *for* PLASTIC WASTE REDUCTION.

www.ukhi.com

What we do

At UKHI, we create EcoGran, a next-gen compostable compound for sustainable packaging. With multiple grades, EcoGran delivers performance with responsibility across industries.

We also manufacture end applications including courier, apparel, laundry, vegetable, shopping, animal waste, carry, and garbage bags—bringing sustainability into everyday use.

Vision and Mission

To make sustainability the universal standard in packaging, where every brand across industries and geographies can embrace eco-friendly solutions without compromise, creating a future in which performance and responsibility coexist seamlessly.

We innovate responsibly, developing next-generation compostable compounds that balance durability, design, and environmental care. Our mission is to empower businesses to reduce plastic dependency, champion circularity, and lead the transformation toward sustainable packaging practices worldwide.



EcoGran Lineup: Next-Gen Compostable Solutions

1. Profile Extrusion Durable, lightweight, eco-friendly profiles for industrial and consumer use. Designed for seamless extrusion with reduced carbon footprint.	• Melt Flow Index (MFI): 2–4 g/10 min • Density: ~1.25 g/cm³ • Applications: Profiles for single-use consumer goods. • Certifications: EN 13432 compostability
2. Blown Film Extrusion High-strength, compostable films for packaging and agriculture. Excellent barrier properties with sustainable disposal.	• Film Thickness Range: 15–200 microns • Tensile Strength: 25–35 MPa, Elongation at Break: 300–400% • Applications: Agricultural Mulch film, Fertilizer bag, Carry Bag etc. • Certifications: ISO 17088:2021
3. Thermoforming Heat-resistant, fully compostable, and food-safe. Excellent impact strength suitable for food containers.	• Heat Deflection Temperature: 85–95 °C • High Impact Strength • Applications: Semi-transparent cutlery items • Certifications: EU compliant, FSSAI
4. Injection Moulding Strong mechanical properties, compostable lifecycle. Precision moulding with eco-conscious resins.	• MFI: 8–12 g/10 min • Flexural Modulus: 1500–2000 Mpa • Applications: Cutlery, caps, single-use consumer products • Certifications: EU compliant, FSSAI, ISO 17088:2021
5. Extrusion Coating Moisture-resistant, compostable finish. Eco-coatings for paper, board, and flexible substrates.	• Coating Thickness: 10–50 microns • Excellent adhesion, barrier property and moisture & grease resistant • Applications: Paper and board coating • Certifications: ISO 17088:2021
6. Cast Film Extrusion Smooth, transparent films with excellent clarity and glossy and matte finish. Customizable for packaging and industrial use.	• Transparency: Excellent transparency and clarity (>90% light transmission) • Excellent Gloss and Matte finish • Applications: Packaging films, lamination • Certifications: ISO 17088:2021
7. Compostable Additives Excellent compatibility with compostable polymer systems. Enhance performance while ensuring end-of-life sustainability.	• Function: Improves processability and flexibility. • Compatibility: PLA, PBAT, starch blends • Applications: Lamination and packaging films. • Certifications: EU compliant, FSSAI, ISO 17088:2021
8. Customised Bio-Granules Tailor-made granules for unique applications. Performance-driven, sustainability-certified.	• Tailored Properties: MFI, tensile strength, biodegradation rate • Colors: Natural, white, custom shades • Applications: Fashion packaging, agriculture, consumer goods • USP: Designed to meet client-specific sustainability goals

ISO 9001:2015 · ISO 17088:2021 · HALAL · LCA life cycle assessment · GMP · TÜV AUSTRIA · ISO 14001:2015 · fssai

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A few of our end products include...



TRANSPARENT GARMENT BAGS



SHOPPING BAGS



E-COMMERCE COURIER BAGS



CARRY BAGS



NURSERY BAGS



AGRICLUTURE MULCH FILM



BIO-HAZARD BAGS



CLING FILMS



COMPOSTABLE LIDS



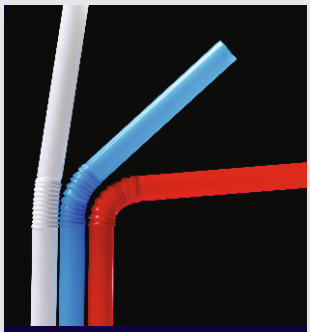
COMPOSTABLE CUPS



COMPOSTABLE FOODTRAY



COMPOSTABLE CUTLERY



COMPOSTABLE STRAW



COMPOSTABLE BOTTLE

Spotlight: transparent garment bags

Eco-friendly fashion packaging.

Our compostable transparent garment bags offer fashion retailers, e-commerce brands and conscious consumers a stylish and sustainable alternative to plastic polybags.

What you get is durability without damage, function without footprint, and quality without compromise.

Features:

- Crystal clear visibility of garments
- Strong, tear-resistant plant-based material
- Custom branding with soy-based inks
- 100% composting compatible

* 100% compostable under ideal conditions

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About UKHI

At UKHI, we are redefining the future of sustainable packaging with EcoGran, our next-generation compostable compound. Built on innovation and responsibility, UKHI offers multiple grades of EcoGran tailored to diverse industries, from fashion to consumer goods. Every solution is engineered to deliver durability, lightweight performance, and seamless extrusion, while significantly reducing the carbon footprint. With a vision to make sustainability the universal standard, UKHI empowers brands worldwide to move beyond plastic dependency and embrace packaging that is credible, circular, and future-ready.

Explore EcoGran and more innovations, visit www.ukhi.com

For more details contact:

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