

TIMELESS. NORDIC. BIRCH.



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### KCL Formi™ 3D Nordic Birch

KCL Formi™ 3D combines cutting-edge technology and sustainability in a high-performance biocomposite material for 3D printing. With exceptional performance and full recyclability, it redefines 3D printing possibilities.

Think Big.  
Print Responsibly.





# THINK BIG. PRINT RESPONSIBLY.



Our cutting-edge 3D printing material was developed to meet the demand for an eco-friendly alternative, combining exceptional performance with sustainability. By incorporating cellulose fibers, the material gains enhanced strength, improved printing performance, and more flexibility in post-processing. It's also gentle on extruders and helps reduce ash content if incinerated, providing a cleaner, greener end-of-life solution.

## KCL Formi™ 3D Nordic Birch Grades



### **PLA10 (Fiber Content 10%)**

Ideal for making furniture or other technical applications that require rigidity, thanks to its strong layer adhesion and high stiffness. Semi-matte finish.



### **PLA20 (Fiber Content 20%)**

Well-suited for mold making due to its wood-like post-processing properties. Validated mold types include low-temperature vacuum infusion, thermoforming, concrete casting, and sand-casting patterns. Also, highly stable for art and décor applications, ensuring reliable printing performance. Matte finish.



### **PLA40 (Fiber Content 40%)**

A material designed to be diluted with PLA. Ideal for filament producers who wish to create custom compounds with fine cellulose fibers. Enables local production, reducing logistical costs.

### **CONTACT**

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## 100+ Years in Green Transition Pioneering

Founded in 1916, KCL excels in innovation, pilot projects, and research services. Now expanding into biocomposite products, we seamlessly blend environmental sustainability with advanced technical expertise to create cutting-edge solutions.

Learn more about us [www.kcl.fi](http://www.kcl.fi)