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# Formlabs Announces Nylon 11 Powder for Functional Prototyping and End-Use Production

*Ideal for manufacturing, engineering, and healthcare uses, Nylon 11 Powder is the second material available for Formlabs' Fuse 1 industrial printer and will further expand the capabilities of 3D printing in end-use production.*

**Somerville, MA, May. 26, 2021** – [Formlabs](#), a leading 3D printing company, today announced Nylon 11 Powder, a high performance nylon material ideal for functional prototyping and small batch production. Available for use on the Fuse 1, Formlabs' high performance selective laser sintering (SLS) 3D printer, Nylon 11 Powder enables users to print parts that need to bend or take impact like hinges, clips, and orthotics. Nylon 11 Powder is one of many materials Formlabs plans to launch for the Fuse 1, reaffirming the company's position as the complete solution for end-use 3D printing by expanding the versatility of powder-based materials.

Historically, industrial 3D printing was out of reach for many companies due to its high cost and complex workflow. The Fuse 1 makes industrial 3D printing more cost accessible and user-friendly than ever with its straightforward workflow. Materials are key to expanding the range of possible applications, and Nylon 11 Powder was developed to bolster design and creation capabilities with low cost per part. Nylon 11 Powder requires less training and additional equipment needed compared to other PA11 materials on the market, expanding the functionality of the Fuse 1 and enabling users to print end-use parts that can handle wear and tear over time, all in-house.

"Engineers, product designers, and manufacturers choose industrial 3D printers for design freedom, the ability to customize end-use parts, and speed in bringing products to market," said Kathy Bui, Engineering Vertical Lead of Formlabs. "Nylon 11 Powder's robust characteristics make it ideal for creating end-use parts and functional prototypes like sports equipment or flexible hinges when impact

resistance and ductility is key in delivering peak performance while optimizing cost per part.”

Nylon 11 Powder improves on the unique advantages offered by Fuse 1. Where Formlabs’ Nylon 12 Powder is a versatile material that provides high detail and dimensional accuracy, Nylon 11 Powder is ideal when durability and performance are essential. Nylon 11 Powder’s ductile, strong, and flexible qualities suit end-use parts that must be able to take impact and handle wear and tear over time, including snaps, clips, and hinges. Nylon 11 Powder is also designed for use in manufacturing, production, engineering, and product design to create:

- Impact-resistant prototypes
- Thin-walled ducts and enclosures
- Robust jigs and fixtures
- Replacement parts
- Prosthetics and orthotics

Click [here](#) for media assets. For more information, visit [formlabs.com](https://formlabs.com).

## **About Formlabs**

Formlabs is expanding access to digital fabrication, so anyone can make anything. Headquartered in Somerville, Massachusetts with offices in Germany, Japan, China, Singapore, Hungary, and North Carolina, Formlabs is the professional 3D printer of choice for engineers, designers, manufacturers, and decision makers around the globe. Formlabs products include the Form 3, Form 3B, Form 3L, and Form 3BL powered by an advanced form of stereolithography (SLA) called Low Force Stereolithography (LFS)<sup>™</sup> 3D printing, Form Wash and Form Cure post-processing solutions, Fuse 1 SLS 3D printer, and Form Cell manufacturing solution. Through its Factory Solutions offering for industrial users, Formlabs provides the factories of tomorrow with the flexibility and versatility needed for demanding, evolving industrial applications. Formlabs also develops its own suite of high-performance materials that continue to push the boundaries for 3D printing, as well as best-in-class 3D printing software. For more information visit [formlabs.com](https://formlabs.com).