

100% Castor Plant-Derived Nylon 11

ASPEX-FPA

A polypropylene-like nylon 11 powder material derived from plants, making it an ideal material for reducing environmental impact. It is attracting attention as a material used as final products.



● Key Characteristics

ASPEX-FPA has flexibility similar to polypropylene and high toughness, making it resistant to cracking. It also has low water absorption and better heat resistance compared to regular Nylon 12 materials. It can be used across a wide temperature range.

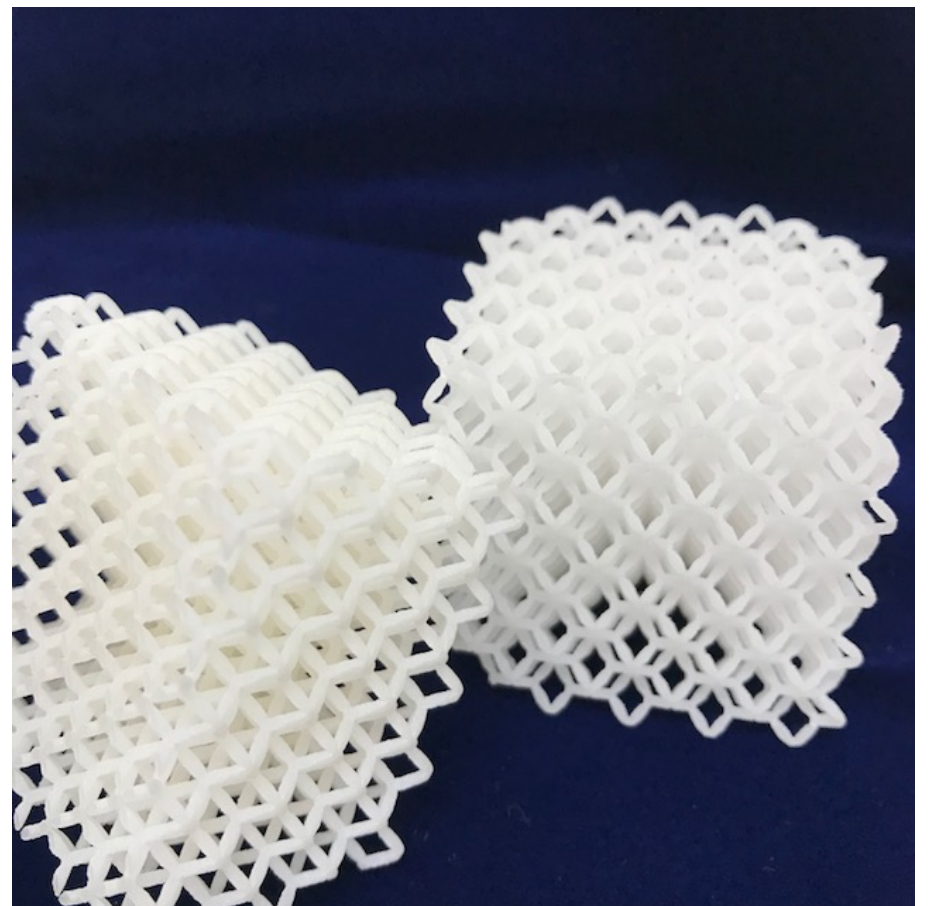
Abrasion resistance / Flex fatigue resistance / Cold impact resistance / High toughness/Excellent mechanical strength/Flexibility/Chemical resistance/Low water absorption

● Main Applications

Automotive instrument panels, console panels, glove boxes, ducts, piping components, digital camera body caps, computer connector covers, etc.

● Material properties

	Property values	Applicable standards
Maximum Tensile Stress	47MPa	JIS K7161
Tensile Modulus	1590MPa	JIS K7161
Elongation at break	41%	JIS K7161



The listed data is subject to change without prior notice.

