

PA 11 Nylon

for
Additive Manufacturing
with MJF

CHEMICAL RESISTANCE

Resistant to many acids, alkalis, grease and salts



PA 11 has been tested against motor oils, petrol, diesel, toluene and break fluid. It also demonstrates excellent resistance to ketones, hydrocarbons, aldehydes, fats, alcohols, bases, salts and detergents

SUSTAINABILITY

Plant-based, with 70% re-usability

PA 11 raw material is made from vegetable castor oil (reduced environmental impact).



STABILITY

Stable to light, UV and weather

PA 11 Nylon has demonstrated exceptional abilities to retain integrity and mechanical properties under harsh conditions.



HEAT DEFLECTION

to 185°C @ 45mPa



DURABILITY

Strong and impact resistant

PA 11 has a Shore Hardness of 80; 50% elongation at break over a range of temperatures; and is highly ductile with excellent mechanical properties



BIOCOMPATIBILITY

USP Class I-VI and US FDA guidance for intact Skin Surface Devices



PA 11 meets most requirements for intact skin surfaces for in-vitro cytotoxicity, systemic toxicity, muscle implantation and skin irritation.