



New Laser Sintering Materials from ALM

RP Support continues to strengthen its range of laser sintering materials with the introduction of three new nylon 11 based powders.



PA-850 produces parts with a true matt black surface finish, offering excellent fine detail resolution for thin walled parts and text. The material is process friendly and fast, requiring only single scanning algorithms.



It offers exceptional impact resistance and produces parts comparable to injection moulded polypropylene and ABS.

Typical applications:

- *Snap fit designs requiring living hinges.*
- *Electrical connectors and enclosures.*
- *Automotive under bonnet parts, inlet manifolds and ducting.*
- *Aircraft forced air cooling ducts.*

PA-840-GSL is a lightweight composite material with a density of 0.86 - the parts will literally float on water. This material has superior strength-to-weight properties that surpass any



commercially available nylon 11 filled materials. PA 840-GSL is ideal for lightweight applications requiring a combination of strength and aesthetics.

Typical applications:

- *Prosthetic body parts.*
- *Unmanned aerial vehicles (UAVs).*
- *Automotive headlights.*
- *Aircraft forced air cooling ducts.*

PA-803-CF emulates the mechanical properties of carbon fibre. Benefits include good dimensional stability, high tensile modulus, and a high heat



deflection temperature. The parts are jet black, very stiff and offer excellent strength-to-weight characteristics

Typical applications:

- *Formula One, on car brake ducts and air inlet ducts.*
- *Wind tunnel models.*
- *Unmanned aerial vehicles (UAVs).*

For further information or to request samples, please contact us directly.

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