

Introducing Stratasys new FDM material – TPU 92A

Stratasys latest FDM material release introduces new possibilities to the manufacturing sector with TPU 92A. TPU is a thermoplastic polyurethane elastomer which combines durability with flexibility, enabling users to quickly turn around large and complex parts in a cost effective way. Here's all you need to know on Stratasys latest FDM material...



What is it?

TPU 92A is a resilient thermoplastic polyurethane combining flexibility and stretch with abrasion and tear resistance. TPU 92A is an ideal replacement for applications which would traditionally use polymers as it provides a far greater level of resilience. It can be stretched or compressed and still won't lose its shape.

The material currently comes in black, with plans to release a natural semi-translucent colour in the near future. TPU 92A currently comes in 0.25mm slice, and will also be available in 0.18mm in the near future.

What hardware do I need?

TPU 92A is available on the F370, F170 and F270, however you will need to order an extra extruder head if using the material on the F170 or F270.

The kit is easy to install and can be done on-site by the customer so there's no need to call out an engineer unless another extruder head is needed. The average head life is expected to be around 800 hours for this material. This is slightly lower than average as the TPU material reacts differently in the liquefier compared to rigid materials.

What Applications is it for?

TPU 92A can be used for seals, gap fillers, bands, bumpers, gaskets, paint masks, flexible hoses, tubes, air ducts, vibration dampeners, door trip seals, and grips for mock-up, protective covers and functional evaluation.

It is not suitable for under the hood applications, long term functional testing, ultra-fine feature details, skin contact or weather protection.



Support Materials

TPU 29A is available with hands free soluble support, decreasing labour time by up to 76%.

TPU 92A is now available to order! For more information on Stratasys latest FDM material, contact our team. Alternatively, speak to your sales rep about our benchmark service.