INNOVEC
CONTROLS PTY LTD

CUSTOM MODULE MATERIAL GUIDE

At Innovec Controls we used Fused Filament Fabrication (FFF) technologies to 3D print custom instrument enclosures. There are a range of materials that can be used in 3D printing, however we typically stick to PLA (Polylactic Acid) and ABS (Acrylonitrile Butadiene Styrene) filaments.

PLA

Strengths	Weaknesses	Colours	
Cost Effective	Low Strength	Black	White
Ideal For Prototypes	Low Heat Resistance	Blue	Yellow
Quicker Build Time	Low UV Resistance	Red	Green

ABS

Strengths	Weaknesses	Colours	
High Strength	Premium Price	Black	White
High Flexibility	No Added UV Stability	Blue	Yellow
High Heat Resistance	Not Food Safe	Red	Green

A Fire-retardant, high gloss black ABS is also available if required (compliant to UL94 V-0).

Other materials and colours are available on request. *T&Cs Apply.*

Some materials may be more suited depending on your specific application. For instance, we recommended PLA for prototypes and ABS for final product models. Additionally, if you require chemical resistance PETG is the most ideal option.

Other materials and colours are available on request. *T&Cs Apply.*