



TECHNICAL DATA SHEET **BLACK ABS**

The black ABS is a medical grade filament composed of acrylonitrile butadiene styrene. This filament is made from granules complying with the 10993-5 standard. This amorphous thermoplastic will make it possible to make 3D parts such as surgical planning models or prototypes of boxes and interfaces in contact with the skin for patient monitoring.

PRODUCT IDENTIFICATION

Product	ABS - Acrylonitrile Butadiene Styrene
Reference	PF-ABS
Technology	FDM - Filament Deposition
Diameters	1,75 mm - 2,85 mm
Color	Black
Rigidity	Rigid
Sterilization	Gamma ray / EtO

BENEFITS

- High thermal resistance
- Low deformation
- Good mechanical resistance
- Good impact resistance

APPLICATIONS

- Basic equipment for medical electronic devices
- Surgical Planning Model

TECHNICAL PROPERTIES

Blending range	Amorphous
Glass transition	95-115°C
Degradation temperature	>250°C
Maximum train (traction)	70 MPA
Elongation at break	13 %

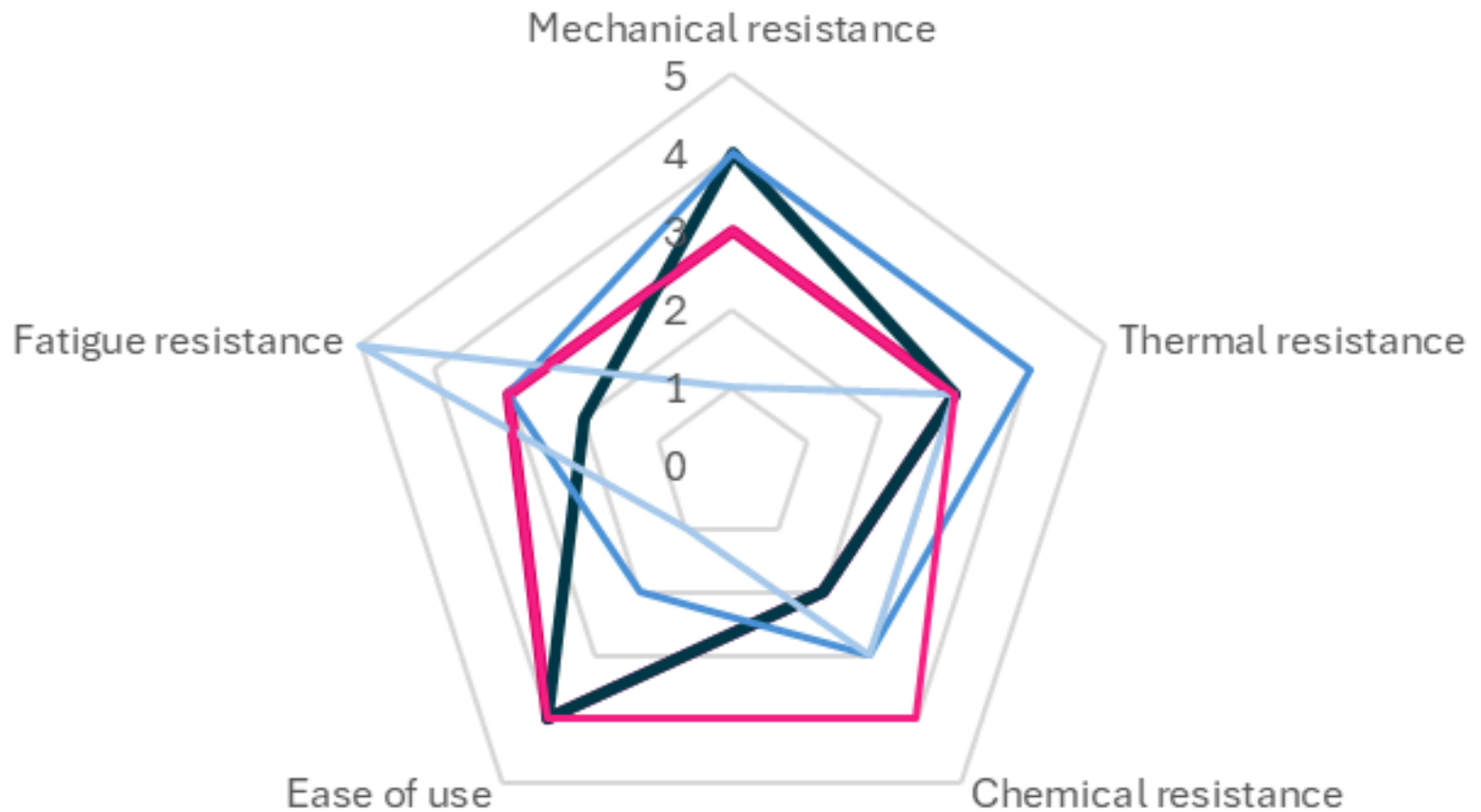
PRINT PROPERTIES

Printing temperature	220-240°C
Tray temperature	100-115°C
Print speed	20-50 mm/s
Cooling fan speed	0-5%



PERFORMANCE PROFILE OF OUR FILAMENTS

— ABS — Black ABS — PC — TPE — PETG



INDICATION FOR USE

We advise you to use closed 3D printers with a tray that can heat to more than 120 ° C and can receive 2.85mm or 1.75mm filament.

Warning: Under no circumstances can this product be implanted in humans. Lattice Services assumes no responsibility for the medical use of this product.