

Flex



Flex is a low temperature filament with good balanced mechanical properties of flexibility and stiffness. The low processing temperature results in usage and minimal shrinkage.



- Relatively narrow melt window at low temperature;
- Very high content of natural resource material;
- Outstanding mechanical strength;
- Biodegradability and composability certified by independent organizations;
- Low operating temperature;
- Strong layer bonding and bed adhesion.

Available in a wide variety of colors. For non-stock colors there is a minimum quantity of 30 kg.

Physical properties

Specific gravity	ISO 1183	1,27 g/cc
MFI	-	-
Tensile strength	ISO 527	20MPa
Elongation at break	ISO 527	No break
Tensile modulus	ISO 527	730MPa
Impact strength	-	83 KJ/m ²

Tolerance +/- 0.05 mm (1.75 mm), 0.10 mm (2.85 mm)
Heated bed temp. Off
Storage Cool, dry away from UV light

Thermal properties

Printing temp.	-	190 - 220 °C
Melting temp.	ISO 3146-C	145 °C +/- 10 °C
Melting point	ASTM D3418	145 - 160 °C
Vicat softening temp.	ISO 306	+/- 78 °C



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