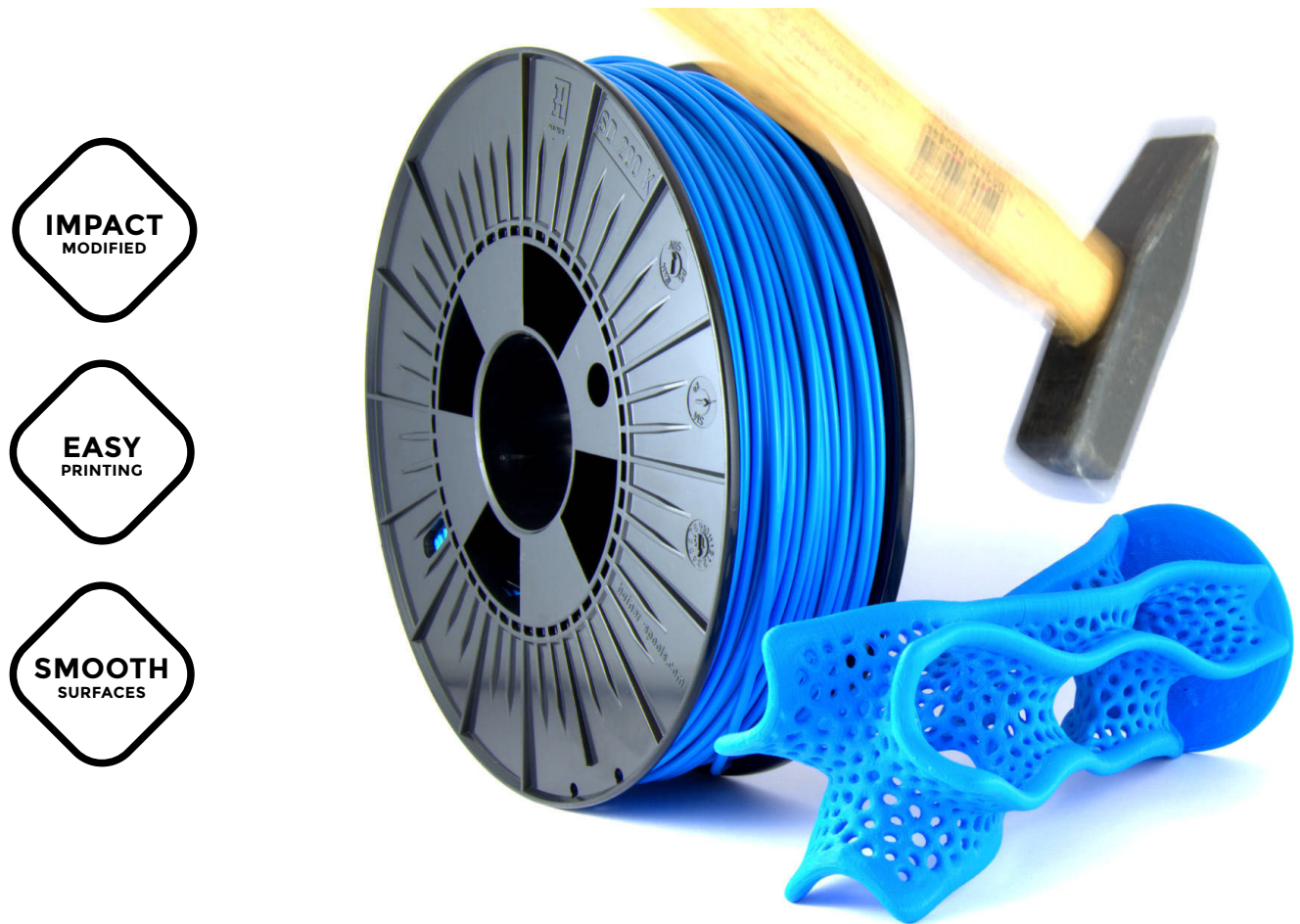




**IMPACT
MODIFIED**

**EASY
PRINTING**

**SMOOTH
SURFACES**

CREAMELT® PLA-HI

**IMPACT MODIFIED PLA WITH HIGH IMPACT RESISTANCE
AND ACCURATE PRINTING QUALITY**

CREAMELT® PLA-HI is 3D printing optimized filament based on natural resourced biopolymer PLA (Polylactic Acid) that gives accurate measurements due to minimal shrinkage of the material when cooling down. PLA-HI is additionally modified with impact modifier that makes it more impact resistant rather than most other standard PLA on the market.

It has good adhesion to many different build platforms (glass, blue tape, etc.). For high quality printing we recommend to use a heated bed at 60°C.

CREAMELT® PLA-HI gives you the ability to build high precision objects with smooth surfaces and excellent impact resistance.

FILAMENT SIZE
Ø1.75 mm / Ø2.85 mm

AVAILABLE COLORS



SPECIFICATIONS

RECOMMENDED PRINT PARAMETERS

PRINTING TEMPERATURE	200...220 °C
PLATFORM TEMPERATURE	50...60 °C
PRINT SPEED	40...150mm/s

MECHANICAL PROPERTIES ¹⁾

TENSILE MODULUS	2440 MPa
TENSILE STRENGTH	40 MPa
TENSILE STRAIN AT BREAK	8...13 %
IMPACT STRENGTH ²⁾	80 kJ/m ²
SHORE HARDNESS	-

PHYSICAL & THERMAL PROPERTIES

DENSITY	1240 kg/m ³
MELTING POINT	145...160 °C
GLASS TRANSITION POINT	55...60 °C

1) AS MEASURED BY PRINTED TENSILE BARS AT 23°C
2) DIN EN ISO 179/1eU CHARPY UNNOTCHED

