## TECHNICAL DATA SHEET PC-ABS-47

PC-ABS-47 - filament with high mechanical and temperature resistance, guaranteeing print durability and stability. Resistant to chemicals, including salts,acids and alkalis. The material is ideal for prototyping, printing specialized tools and producing final parts.

HARDNESS	
ELASTICITY	
IMPACT STRENGTH	
TENSILE STRENGTH	

PHYSICAL PROP	PERTIES		
	VALUE	UNIT	TEST METHOD
Density	1,1	g/cm^3	ASTM D792
Water Absorption	0,2	%	ASTM D570



## MECHANICAL PROPERTIES

	VALUE	UNIT	TEST METHOD
Tensile strength	55	MPa	ASTM D638
Tensile elongation	50	%	ASTM D638
Flexural strength	80	MPa	ASTM D790
Izod impact strenght	60	kg*cm/cm	ASTM D256
Rockwell hardness	110	-	ASTM D785

## THERMAL PROPERTIES

	VALUE	UNIT	TEST METHOD
Heat Deflection Temperature 1,8 MPa	98	°C	ASTM D648
VICAT Softening Temperature	110	°C	ASTM D1525
Flammability class	HB	-	UL 94

## RECOMMENDED PRINTING PARAMETERS



Nozzle temperature

255-270°C



Heated chamber 60-70°C

Bed temperature

90 - 105°C



Print speed

30 - 55mm/s



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