

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.



PHYSICAL PROPERTIES

	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



Bed temperature

90 - 105°C



Print speed

30 - 55mm/s



Heated chamber

60-70°C

