



# Nozzle chart

Use this chart to compare the most common nozzle material types.  
The chart shows the properties, compatibility with filaments and price ranges of the nozzles.



THE BUILDING ARCHIVE

MATERIALS	MAX TEMP. °C	MOHS SCALE OF HARDNESS	NON-ABRASIVE e.g. : PLA, ABS, ASA, PETG, TPU, nylon	LIGHT-ABRASIVE e.g. : Wood filled, PC	ABRASIVE e.g. : Carbon, metal filled	THERMAL CONDUCTIVITY	DURABLE	HIGH IN PRICE
 BRASS (STANDARD)	300 °C	3.0	✓					
 STAINLESS STEEL	500 °C	5.0	✓	✓				
 HARDENED STEEL	500 °C	7.8	✓	✓	✓			
 RUBY TIP	550 °C	9.0	✓	✓	✓			
 COPPER PLATED	300 °C	3.5	✓					
 DIAMOND TIP	300 °C	10.0	✓	✓	✓			
 VANADIUM	300 °C	7.0	✓	✓	✓			

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