

# CNC Insulation Material

SUITABLE FOR CNC MACHINING



## MATERIAL NAME

CNC Insulation Material

## COLOR

Multiple Colors

## PROCESS

CNC

## PRODUCT DESCRIPTION

CNC Insulation Material refers to a material commonly used in CNC machining for electrical insulation and thermal insulation. This kind of material usually has high resistivity, high temperature resistance, chemical corrosion resistance, high mechanical strength characteristics, suitable for electronic, mechanical, electrical equipment, aerospace and other fields.

## TYPICAL APPLICATIONS

- Circuit board substrate
- Heat shield in avionics
- Car heat shield

## PRODUCT SAFETY

- Most CNC insulation materials are safe to touch, avoiding flammable, low insulation strength materials. In CNC machining to prevent dust inhalation, wear protective equipment.

## PRODUCT DELIVERY & WAREHOUSING

- **STORAGE**

Storage should be dry, away from light, temperature storage, to avoid humidity, high temperature and chemical corrosion.

- **TRANSPORTATION**

Shock-proof, moisture-proof, and anti-static during transportation, especially for precision parts and hygroscopic materials, should be sealed and packed with buffer materials.

## MATERIALS WE SUPPORT:

Code	Color	Density (g/cm <sup>3</sup> )	Hardness	Tensile Strength, Yield(Mpa)	Elongation at Break (%)	Heat Deflection Temperature (°C)
PF	Tangerine/Yellow/Black/Red	1.4	85~95 Shore D	40~60	1~2	150~180
FR4	White/Light green/Yellow/Black	1.9	55~65 Shore D	140~200	1.5~3	130~140
CDM	Gray/Black/Blue	1.9	10 HM	1500~3500	0.5~2	120~250

**Tips:** Want to explore a wider range of materials? Check out <https://www.unionfab.com/materials>



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