

Table 2 Classification of Materials

	Metals	Ceramics/Glass	Polymers
Type of Material	Element or mixture	Compound or Mixture of Compounds	Mostly Compounds
Type of Elements	Metallic Elements	Metal with non-metals(Or Metalloids with nonmetals)	Nonmetals
Type of Structure	Crystalline	Ceramics = Crystalline Glass = amorphous	Mostly amorphous with some regions of crystallinity
Type of Bonding	Metallic Bonding	Ionic bonding and network covalent bonding.	Covalent bonding and weak intermolecular forces.