

Table 2 Mechanical properties of materials and bonding interface

Materials	Young's modulus /×10 <sup>3</sup> MPa	Poisson's ratio	Tensile yield strength/MPa	Tensile ultimate strength /MPa	Shear ultimate strength /MPa	Shear ultimate strength of bonding interface / MPa	Normal ultimate strength of bonding interface /MPa
SnSb11Cu6	48	0.285	66	88	55	42	86
20steel	213	0.282	245	410	—		