

Table 3 Mechanical property estimations of SnSb11Cu6/20 steel substrate system from 3PB tests

NO.	dP/dw (10^3N/mm)	D_0 (mm)	D (mm)	L (mm)	G_{ci} (10^3J/m^2)	ψ ($^\circ$)
1	12.21	1.86	20.10	20.7	12.06	29.66
2	12.84	1.84	19.96	19.8	12.09	29.77
3	12.52	1.85	20.03	20.2	12.02	29.86
4	12.86	1.84	19.98	19.9	12.09	29.77
Average	12.61	1.85	20.02	20.15	12.07	29.77

In Table 3, dP/dw is the slope of the load vs displacement curve at the initial elastic stage of the sample, D_0 is the critical deflection value corresponding to the crack initiation at the sample interface, D is the maximum deflection value during the bending process of the specimen. L is the length of the entire crack at the sample interface. G_{ci} is the critical energy release rate, ψ is the stress phase angle at the crack tip.