

	Formulation	ANX3012	ANX3133	SF56	SF105	SF180S
Properties	Flux Type	No-Clean	No-Clean	No-Clean	No-Clean	No-Clean
	Solid Content (wt%) JIS Z 3197 8.1.3	1.60 ± 0.2	1.60 ± 0.2	1.35 ± 0.2	1.70 ± 0.3	1.80 ± 0.5
	Specific Gravity JIS Z 3197 8.2.2	0.790 ± 0.005	0.790 ± 0.005	0.790 ± 0.005	0.791 ± 0.005	0.791 ± 0.005
	Acid Value (mg KOH/g flux) JIS Z 3197 8.1.4.1	12.0 ± 2.0	12.0 ± 2.0	14.0 ± 2.0	14.0 ± 2.0	14.5 ± 3.0
	Copper Corrosion Test JIS Z 3197 8.4.1	Passed	Passed	Passed	Passed	Passed
	Copper Mirror Test JIS Z 3197 8.4.2	Classified as "M"	Classified as "M"	Classified as "M"	Classified as "M"	Classified as "M"
	Water Extract Resistivity JIS Z 3197 8.1.1	>1 x 10 <sup>4</sup> Ω-cm	>1 x 10 <sup>4</sup> Ω-cm	>1 x 10 <sup>4</sup> Ω-cm	>1 x 10 <sup>4</sup> Ω-cm	>1 x 10 <sup>4</sup> Ω-cm
	SIR (85°C, 85%RH, 168hrs) IPC-TM-650 2.6.3.3	>1 x 10 <sup>8</sup> Ω	>1 x 10 <sup>8</sup> Ω	>1 x 10 <sup>8</sup> Ω	>1 x 10 <sup>8</sup> Ω	>1 x 10 <sup>8</sup> Ω
	ECM (85°C, 88.5%RH, 596hrs) IPC-TM-650 2.6.14.1	>1 x 10 <sup>8</sup> Ω No Dentricle Growth	>1 x 10 <sup>8</sup> Ω No Dentricle Growth	>1 x 10 <sup>8</sup> Ω No Dentricle Growth	>1 x 10 <sup>8</sup> Ω No Dentricle Growth	>1 x 10 <sup>8</sup> Ω No Dentricle Growth
	Residue Dryness Test JIS Z 3197 8.5.1	Passed	Passed	Passed	Passed	Passed
Residue Removal	Not Required	Not Required	Not Required	Not Required	Not Required	
Alloy Compatibility (Tab Ribbon)	SnPb	✓	✓	✓	✓	✓
	Lead Free	✓	✓	✓	✓	✓
Fluxing Method	Soaking	✓	✓	✓	✓	✓
	Dipping	✓	✓	✓	✓	✓
	Spraying	✓	✓	✓	✓	✓