

Peel strength of CVD Ytria film

Substrate : Quartz glass
 Size : 50 × T 1
 Thickness : 0.5 μm
 Samples : CVD-Y₂O₃
 PVD-YF₃
 PVD-Y₂O₃
 Test method : SAICAS
 (Surface And Interfacial Cutting Analysis System)

Peel strength results

Samples		Peel strength(k N/m)	Average (k N/m)	Standard deviation (k N/m)
CVD-Y ₂ O ₃	1	3.036	3.395	0.318
	2	3.638		
	3	3.512		
PVD-YF ₃	1	0.722	0.719	0.041
	2	0.676		
	3	0.758		
PVD-Y ₂ O ₃	1	0.635	0.621	0.055
	2	0.560		
	3	0.668		

Peel strength

CVD-Y₂O₃ >> PVD-YF₃ > PVD-Y₂O₃

Surface And Interfacial Cutting Analysis System (SAICAS)

