

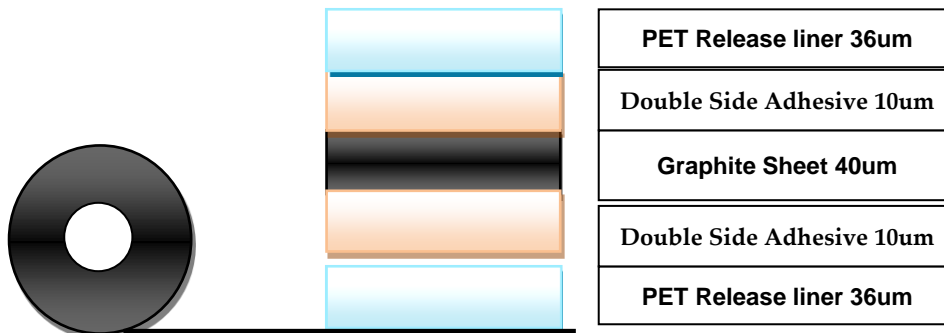
● Synthetic Graphite Sheet: DSN5040-10DC10DC

Technical Data Sheet

● Product Outline

DSN5040-10DC10DC's base material is 40um Graphite Sheet, Both sides are Super tin type Double side Adhesive 10um, PET release liner 75um attached to back side, this product is used as heat spreader parts.

● Product Structure



● Product Technical Parameters

Double Side Adhesive		Graphite Sheet		Double Side Adhesive		
Item	Value	Item	Value	Item	Value	
Thickness(Adhesive + PET Release liner) (um)	10(±2)+36	Thickness (µm)	40	Thickness(Adhesive + PET Release liner) (um)	10(±2)+36	
Tack strength (N/25mm)	≥6		40±5	Tack strength (N/25mm)	≥6	
Hold strength(mm)	≤1	Thermal Conductivity	X-Y Ax. (w/m.k)	1200~1400	Hold strength(mm)	≤1
First Adhesive strength (NO./32)	≤5		Z Ax. (w/m.k)	18~20	First Adhesive strength (NO./32)	≤5
Peel Adhesion (g/50mm)	12	In-plane Thermal Diffusivity (cm²/s)	760~890	Peel Adhesion (g/50mm)	12	
Heat resistance temperature (°C)	100	Density(g/cm³)	1.8±0.05	Heat resistance temperature (°C)	100	
		Heat capacity (J/g/K)	0.870±0.01			
		Operation temperature (°C)	-40 to 400			
		Bending(angle180°,R2)	20000			

Storage Conditions : Storage temperature : 5~30°C. Do not expose Low temperature (Less than 0°C) and High temperature (Over 40°C) and High humidity (Over 70%RH) and the direct rays of the sun.