

● Synthetic Graphite Sheet: DSN5025-12DC

Technical Data Sheet

● Product Outline

DSN5025-12DC's base material is 25um Graphite Sheet, Super tin type Double side Adhesive 12um, PET release liner 75um attached to back side, this product is used as heat spreader parts.

● Product Structure



● Product Technical Parameters

Graphite Sheet		Double Side Adhesive		
Item	Value	Item	Value	
Thickness (μm)	25	Thickness(Adhesive + PET Release liner) (um)	12(±2)+75	
	25±3	Tack strength (N/25mm)	≥6	
Thermal Conductivity	X-Y Ax. (w/m.k)	1400~1600	Hold strength(mm)	≤1
	Z Ax. (w/m.k)	16~19	First Adhesive strength (NO./32)	≤5
In-plane Thermal Diffusivity (cm ² /s)	800~920	Peel Adhesion (g/50mm)	12	
Density(g/cm ³)	2.00±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 (Over70%RH) and the direct rays of the sun.				