

● Synthetic Graphite Sheet: DSN5040-12DC

Technical Data Sheet

● Product Outline

DSN5040-12DC's base material is 40um 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)	40	Thickness(Adhesive + PET Release liner) (um)	12(±2)+75	
	40±5	Tack strength (N/25mm)	≥6	
Thermal Conductivity	X-Y Ax. (w/m.k)	1200~1400	Hold strength(mm)	≤1
	Z Ax. (w/m.k)	18~20	First Adhesive strength (NO./32)	≤5
In-plane Thermal Diffusivity (cm ² /s)		760~890	Peel Adhesion (g/50mm)	12
Density(g/cm ³)		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 (Over70%RH) and the direct rays of the sun.				