

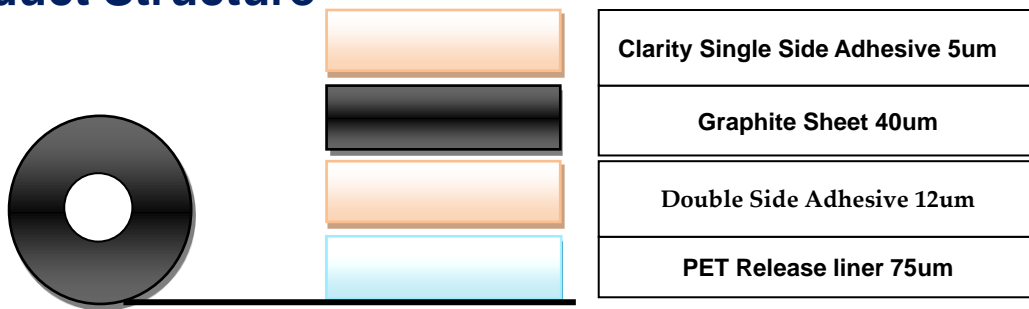
● Synthetic Graphite Sheet: DSN5040-12DC05SC

Technical Data Sheet

● Product Outline

DSN5040-12DC05SC's base material is 40um Graphite Sheet, The top is Super tin type clarity single side adhesive 5um, The bottom is 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

Clarity Single Side Adhesive		Graphite Sheet		Double Side Adhesive		
Item	Value	Item	Value	Item	Value	
Thickness(um)	5±2	Thickness (µm)	40	Thickness(Adhesive + PET Release liner) (um)	12(±2)+75	
Tack strength (N/25mm)	≥5		40±5	Tack strength (N/25mm)	≥6	
Hold strength(mm)	≤2	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
T-Type Peel Adhesion (g/50mm)	≤10	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 (Over70%RH) and the direct rays of the sun.