

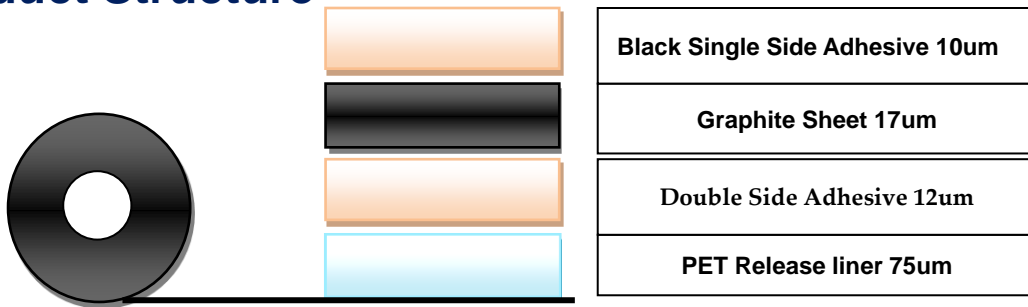
● Synthetic Graphite Sheet: DSN5017-12DC10SB

Technical Data Sheet

● Product Outline

DSN5017-12DC10SB's base material is 17um Graphite Sheet, The top is Super tin type black single side adhesive 10um, 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

| Black Single Side Adhesive | | Graphite Sheet | | Double Side Adhesive | | |
|----------------------------------|-------|--------------------------------------|-----------------|--|----------------------------------|----|
| Item | Value | Item | Value | Item | Value | |
| Thickness(um) | 10±2 | Thickness (μm) | 17 | Thickness(Adhesive + PET Release liner) (um) | 12(±2)+75 | |
| Tack strength (N/25mm) | ≥5 | | 17±3 | Tack strength (N/25mm) | ≥6 | |
| Hold strength(mm) | ≤2 | Thermal Conductivity | X-Y Ax. (w/m.k) | 1500~1700 | Hold strength(mm) | ≤1 |
| First Adhesive strength (NO./32) | ≤5 | | Z Ax. (w/m.k) | 15~18 | First Adhesive strength (NO./32) | ≤5 |
| T-Type Peel Adhesion (g/50mm) | ≤10 | In-plane Thermal Diffusivity (cm²/s) | 840~950 | Peel Adhesion (g/50mm) | 12 | |
| Heat resistance temperature (°C) | 100 | Density(g/cm³) | 2.05±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.