

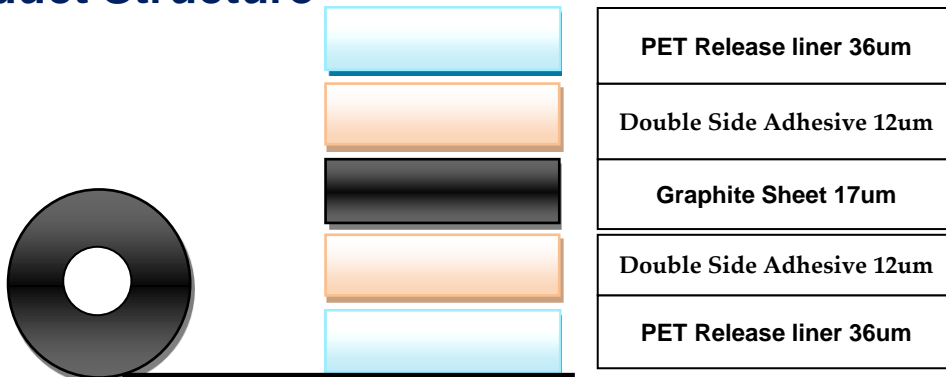
● Synthetic Graphite Sheet: DSN5017-12DC12DC

Technical Data Sheet

● Product Outline

DSN5017-12DC12DC's base material is 17um Graphite Sheet, Both sides are 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

| Double Side Adhesive | | Graphite Sheet | | Double Side Adhesive | | |
|--|-----------|--------------------------------------|-----------------|--|----------------------------------|----|
| Item | Value | Item | Value | Item | Value | |
| Thickness(Adhesive + PET Release liner) (um) | 12(±2)+36 | Thickness (µm) | 17 | Thickness(Adhesive + PET Release liner) (um) | 12(±2)+36 | |
| Tack strength (N/25mm) | ≥6 | | 17±3 | Tack strength (N/25mm) | ≥6 | |
| Hold strength(mm) | ≤1 | 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 |
| Peel Adhesion (g/50mm) | 12 | 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 (Over 70%RH) and the direct rays of the sun.