

● Synthetic Graphite Sheet: DSN5017-10DC

Technical Data Sheet

● Product Outline

DSN5017-10DC's base material is 17um Graphite Sheet, Super tin type Double side Adhesive 10um, 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) | 17 | Thickness(Adhesive + PET Release liner) (um) | 10(±2)+75 | |
| | 17±3 | Tack strength (N/25mm) | ≥6 | |
| Thermal Conductivity | X-Y Ax. (w/m.k) | 1500~1700 | Hold strength(mm) | ≤1 |
| | Z Ax. (w/m.k) | 15~18 | First Adhesive strength (NO./32) | ≤5 |
| In-plane Thermal Diffusivity (cm ² /s) | | 840~950 | Peel Adhesion (g/50mm) | 12 |
| Density(g/cm ³) | | 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. | | | | |