



## KLG-2UM-3MMTEMAUGRID Suspended Graphene Product Datasheet

KLG-2UM-3MMTEMAUGRID is a 4 pack of monolayer graphene film suspended over 2um cavities, with 4um spacing between cavities. The CVD graphene was grown on copper foil and transferred over a 3mm Quantifoil TEM grid to create these suspensions.

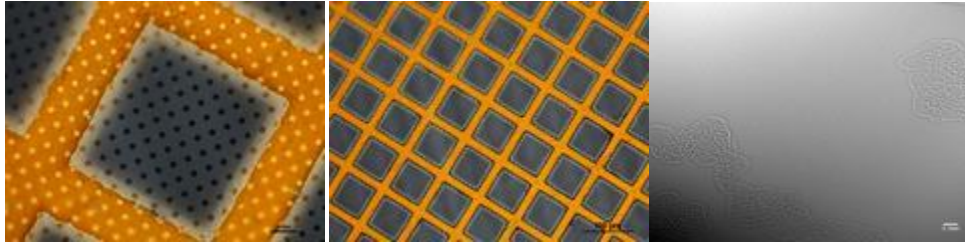
### Graphene Film

|  |                              |
|--|------------------------------|
| Growth Method                          | CVD synthesis                |
| Transfer Method                        | Clean transfer method        |
| Quality Control                        | Raman and Optical Microscopy |
| Appearance (Color)                     | Transparent                  |
| Transparency                           | >97%                         |
| Appearance (Form)                      | Film                         |
| Coverage                               | >95%                         |
| Number of graphene layers              | 1                            |
| Theoretical thickness                  | 0.345 nm                     |
| Sheet Resistance Quartz (Van der Pauw) | 370±50 Ohms/sq. (1cm x 1cm)  |
| Grain size                             | Up to 10 µm                  |

### Substrate

**3mm Quantifoil Grid, 2um holes, 4um between holes**

**SEM image**



**HRTEM image**

