Heraeus

Palysium

Hera 6307

Palysium is a recently developed Heraeus-alloy which is specially tailored for probing applications. It is characterized by very high electrical conductivity combined with excellent mechanical properties and good workability. High electrical conductivity opens new applications and can reduce the cost of semiconductor-testing. Significantly more current can be transmitted with the same cross-sectional area. Thus, high-power applications can be tested. At the same time, the needles can shrink considerably at the same current, which has a positive effect on the pitch, the pin count and testing parallelism.

| Springs, probes |
|----------------------|
| wire |
| 10.52 |
| 1100 - 1190 |
| |
| ductile |
| formable, machinable |
| |
| 24 |
| 29 |
| 144 |
| 120 |
| 590 |
| 506 |
| |

*41 μm diameter, 8 mm length, flat tip and end, overtravel 75 μm, offset 250 μm, 120 s current cycle time, 10 s off-time between cycles, room temperature

| | Property Range |
|---------------------|----------------|
| Hardness, HV | 400 - 480 |
| Yield Strength, MPa | 1250 - 1500 |



Contact

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