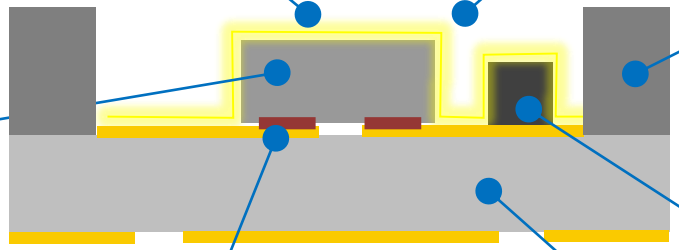
ProLight UVC Packaging Strength

- **Nano-Quartz Coating Technology**
  - ProLight Nano Quartz coating thickness is only nanometer (nm)，transparency >99%，almost no energy loss
  - Generally, Quartz Lens on the market still has 10% energy loss in UVC wavelength
  - ProLight Nano Quartz Coating can protect moisture and oxygen to damage the UVC led.
  - Most of the UVC player use Quartz Lens to packaging UVC. However, it's not 100% seal (only looks like seal) and it can't protect moisture and oxygen to damage the UVC led.

- **Nano-Quartz Coating Technology**
  - No silicone gel inside
  - No silicone gel crack or yellowish decay issue
  - No gel inside, so no wire broken issue due to gel stress



- **White Ceramic Housing**
  - No sparkover voltage risk
  - No short-circuit issue
  - Protect UVC chip

- **Flip Chip UVC Chip**
  - Wireless
  - High Reliability
  - Low thermal resistance

- **Zener Diode Inside**
  - ESD protect>8KV

- **Eutectic Bonding Technology**
  - Good thermal Dissipation
  - Low thermal resistance

- **AlN Substrate**
  - Good thermal Dissipation
  - Low thermal resistance
  - No CTE Dismatch issue

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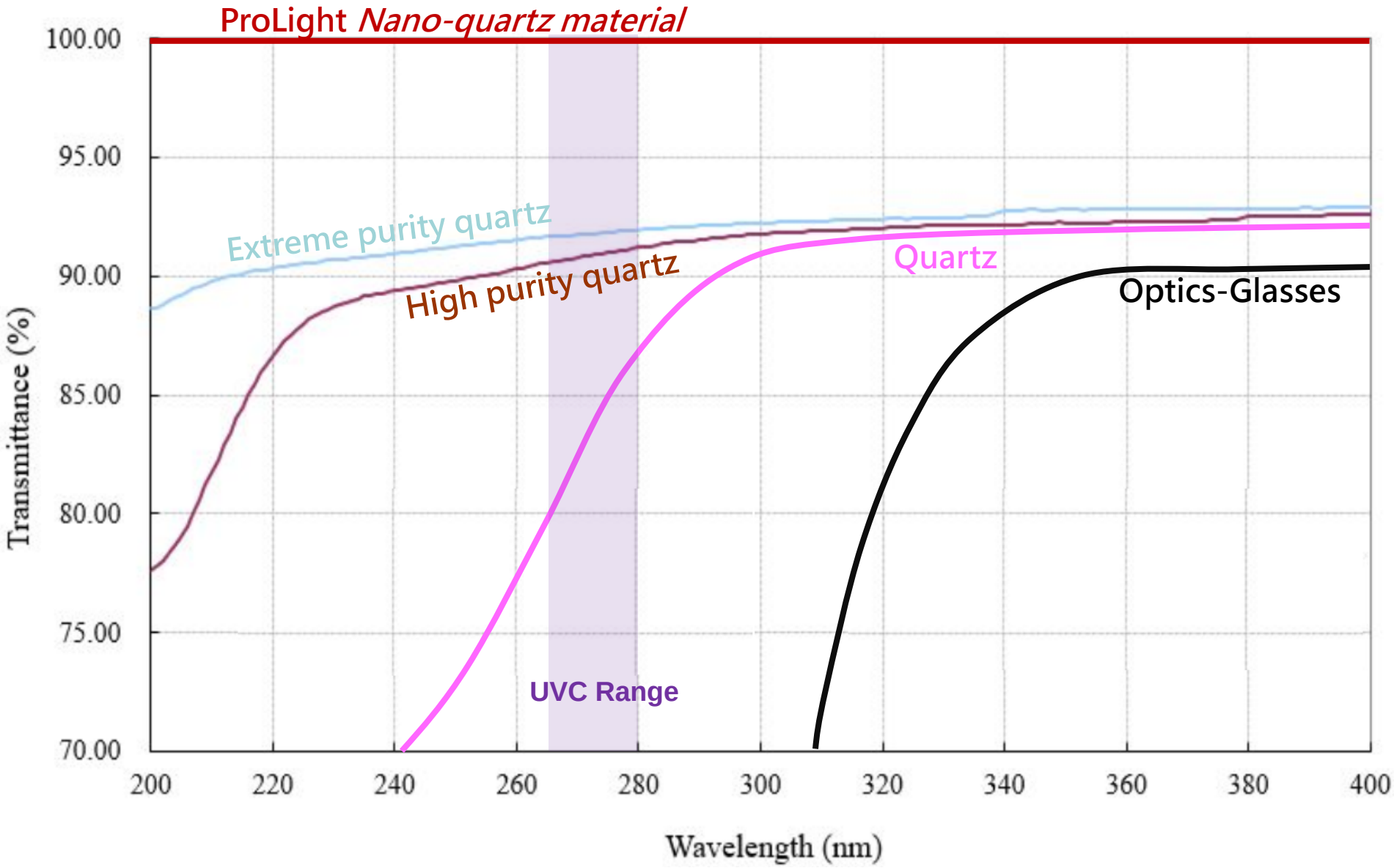
Transparency Materials in UV wavelength



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