T7

Technological and Developed Product Information
Resins for UV Transmittable Lenses

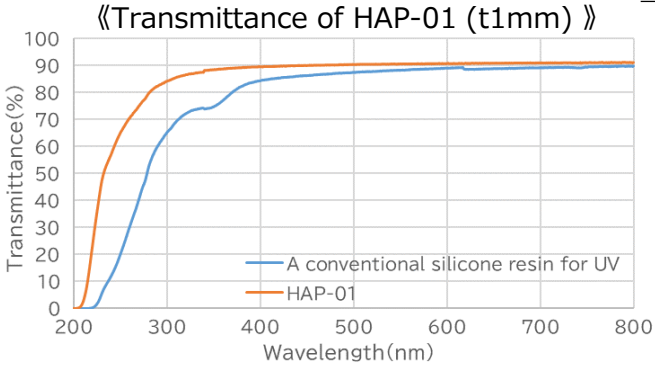
■265nm transmitting resin materials

Yamamura's original thermosetting resin for lenses with high transmittance in the ultraviolet region.

A special silicone resin HAP Series

Yamamura Photonics' HAP series of resin materials for lenses has achieved superior transmittance in the UV-C region compared to conventional silicone-based resins for lens molding. The HAP Series, developed based on PDMS hybrid materials which are Yamamura's original resin material with excellent UV resistance, is a two-component thermosetting resin that can be molded, making it easy to produce various molded products such as lenses.

《Transmittance of HAP-01 (t1mm) 》

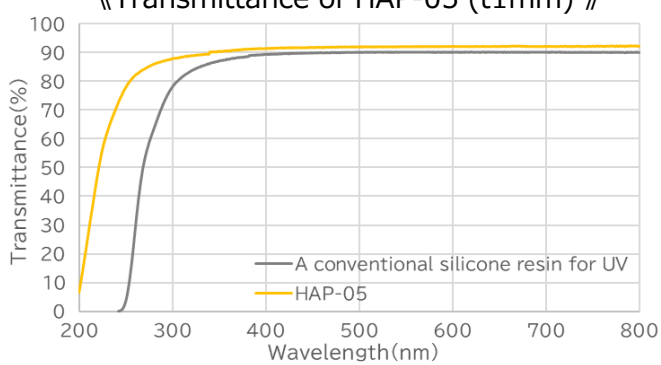


■HAP-01

HAP-01 is a special silicone resin with superior UV transmittance compared to conventional silicone resin for UV. This two-component condensation-type resin can be injection molded in a similar way as conventional silicone materials, making it easy to produce various types of molded products such as lenses.

《Features》
- ・A special resin can be injection molded
- ・Superior UV transmittance at 265nm
- ・Excellent Adhesion ※molds need to be coated

《Transmittance of HAP-05 (t1mm) 》



■HAP-05

HAP-05 is a special silicone resin that can be molded by pouring into a mold and heat curing in air. In the deep ultraviolet region, HAP-05 has better transmittance than HAP-01, not to mention conventional silicones for molding, making it an ideal resin material for UV lenses and other applications.

《Features》
- ・A special resin can be molded in air
- ・Higher transmission than HAP-01 at 265 nm
- ・Excellent Adhesion ※molds need to be coated

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