



High-Performance SLA Resins & Cleaning Technologies

We specialize in the **development and optimization of materials and processes for stereolithography (SLA) 3D printing for Rapid Prototyping**. Our core focus lies in the formulation of **high-performance SLA resins** as well as **efficient cleaning and post-processing technologies**, which are considered as integrated process solutions.

Our SLA resins are specifically engineered to **significantly improve critical material properties**. These include **shrinkage reduction**, increased **heat deflection temperature (HDT)**, enhanced **moisture and chemical resistance**, well-defined **mechanical properties**, and **stable, reproducible coloration**. The objective is to optimize both **dimensional accuracy** and **long-term stability** of printed components.

By closely integrating **material development, printing processes, and post-processing**, we ensure that the targeted properties are achieved not only in the resin itself but also in the **fully cured final part**. Our cleaning technologies enable the **residue-free removal of uncured resin**, without compromising surface quality or delicate geometries—an essential factor for reproducible results and industrial-scale processes.

Technical Capabilities

- Development and modification of **SLA photopolymer resins**
- **Shrinkage minimization** and improved dimensional accuracy
- Increased **HDT** and thermal performance
- Optimization of **moisture resistance and aging stability**
- Adjustment of **color, transparency, and surface appearance**
- Process-optimized **cleaning and post-curing solutions**

Technical Consulting & Customized Solutions

Do you have **technical requirements**, material-specific questions, or challenges within your SLA process? Contact us—we provide expert consultation, analyze your application holistically, and develop the **optimal SLA solution**, precisely aligned with material, process, and component requirements.

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