POLYMER G

**Technical Data:**
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# EPV 938

UV Curable Epoxy Compound for 3D printing

**Product Description**

EP 938P is a thixotropic epoxy compound filled with micro glass fibers that can be readily cured upon exposure to UV LED light at 395nm wavelength. The compound is especially designed for 3D printing.
After curing the compound exhibits excellent mechanical performance, with extremely low linear shrinkage.

**Features & Benefits**

- Superior dimensional stability
- Full UV-cured no post cure
- Super-fast & accurate printing
- Extremely low linear shrinkage
- Unique toughening system
- High temperature resistance
- No pre heat
- No tacky surfaces

**Applications**

3D-Gel printing

**Typical Uncured Properties**

**Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.**

| | |
|---|---|
| **Base** | UV-epoxy compound (single component) |
| **Appearance/ Color** | Gel/grey |
| **Viscosity** @ 25°C, ASTM-2196, Pa*s<br>S.7, 5 r.p.m.<br>S.7, 50 r.p.m. | <br>160,000<br>36,000 |
| **Thixotropic index** @ 25° | 4.5 |
| **Density** @ 25°C, g/cm$^3$ | 1.3 |

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## Typical Cured Properties

**Note:** **The following technical information and data should be considered representative or typical only and should not be used for specification purposes.**

| | |
|---|---|
| **Hardness**, ASTM D-2240, Shore D | 85 |
| **Tensile strength,** ASTM D-638, MPa | 80 |
| **Elongation,** ASTM D-638, % | 2.5 |
| **Flexural Strength,** ASTM D-790, MPa | 27 |
| **Flexural Modulus,** ASTM D-790, MPa | 400 |
| **Heat Distortion Point,** ISO-75, ºC | 80 |
| **Linear Shrinkage %** | <0.1% |

## Storage and Handling

The shelf life of the EPV 938P is 6 months at 20-30°C.
For best results, store in tightly closed original containers.

## Packaging

Packaging sizes are available from 700g Cartridge up to 20Kg pails.

## Limitation of Liability

Except where prohibited by law, Polymer-G and seller will not be liable for any loss or damage arising from the Polymer-G product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

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