

# MATERIAL DATASHEET

## SLA Stereolithography Materials

| Measurement             | WHITE                         | GREY                          | CLEAR                         | Standard   |
|-------------------------|-------------------------------|-------------------------------|-------------------------------|------------|
| Density                 | 1.20 ± 0.03 g/cm <sup>3</sup> | 1.18 ± 0.03 g/cm <sup>3</sup> | 1.17 ± 0.03 g/cm <sup>3</sup> | ASTM D792  |
| Natural Color           | White                         | Grey                          | Transparent                   |            |
| Tensile Strenght        | 47 ± 5 MPa                    | 40 ± 3 MPa                    | 48 ± 3 MPa                    | ASTM D638  |
| Tensile Modulus         | 2400 MPa                      | 1850 MPa                      | 2270 MPa                      | ASTM D638  |
| Flexural Modulus        | 2450 MPa                      | 1715 MPa                      | 2100 MPa                      | ASTM D790  |
| Elongation at Break     | 10 ± 9 %                      | 17 ± 5 %                      | 3 - 15 %                      | ASTM D638  |
| Shore D/A-hardness      | D80 ± 3                       | D86 ± 3                       | D80 ± 5                       | ASTM D2240 |
| Notched impact Strenght | 60 ± 5 J/m                    | 60 ± 5 J/m                    | 45 J/m                        | ASTM D256  |
| HDT (1.80 MPa)          | 42 °C                         | 54 °C                         | 50 °C                         | ASTM D648  |
| HDT (0.45 MPa)          | 47 °C                         | 62 °C                         | 51 °C                         | ASTM D648  |

Actual values may vary with build condition

Mentioned information and mechanical properties in our datasheets are optimum values according to our manufacturing partners and are believed to be accurate, though is provided for your guidance only. All guarantees with respect to the information contained herein are explicitly denied.

