

Material Specification Sheets

Polyjet

| Parameter | Unit | Vero Clear | Tango Black | Digital ABS | Durus Polypropylene-like | AR-M2 |
|-----------------------------------|-------------------|--------------------|--------------------|--------------------|-----------------------------|--------------------|
| Build Space | mm | 342x342x200 | 342x342x200 | 342x342x200 | 342x342x200 | 297x210x200 |
| Tensile strength | MPa | 50-65 | 0.8-1.5 | 55-60 | 20-30 | 40-55 |
| Elongation at break | % | 10-25 | 170-220 | 25-40 | 40-50 | 5-35 |
| Modulus of elasticity | MPa | 2000-3000 | k.A. | 2600-3000 | 1000-1200 | 1900-2400 |
| Flexural Strength | MPa | 75-110 | k.A. | 65-75 | 30-40 | 60-80 |
| Flexural Modulus | MPa | 2200-3200 | k.A. | 1700-2200 | 1200-1600 | k.A. |
| HDT, °C @ 0.45MPa | °C | 45-50 ISO 75 | k.A. | 58-68 ISO 75 | 37-42 | 52-54 |
| HDT, °C @ 1.82MPa | °C | 45-50 ISO 75 | k.A. | 51-55 ISO 75 | 32-34 | 45-50 |
| Izod Notched Impact | J/m | 20-30 | k.A. | 65-80 | 40-50 | k.A. |
| Water Absorption | % | 1.1-1.5 | k.A. | k.A. | 1.5-1.9 | 0,35 |
| Tg (Glass Transition Temperature) | °C | 52-54 | k.A. | 47-53 | 35-37 | 77-80 |
| Shore Hardness (D) | Scale D | 83-86 | k.A. | 85-87 | 74-78 | 85 |
| Shore Hardness (A) | Scale A | k.A. | 26-28 | k.A. | k.A. | k.A. |
| Rockwell Hardness | Scale M | 73-76 | k.A. | 67-69 | k.A. | 119-122 |
| Polymerized density | g/cm ³ | 1.17-1.18 | 1.12-1.13 | 1.17-1.18 | 1.15-1.17 | 1,1 |
| Ash content | % | 0.01-0.02 | k.A. | k.A. | 0.10-0.12 | k.A. |

