

DM03

Implant Model (Grey)

Dental model DM03 is the ideal choice for printing implant models and separated models for C&B applications. This material has features including high toughness, high pressure resistance, etc. This allows the best experience when using for implant models. The hardness and mechanical properties of cured resin allows DM03 to resist abrasion and tearing force during seating and finishing implant cases, ensuring perfect cases every time. The grey colour allows the perfect performance in model details. DM03 is recommended to place at room temperature $23\pm 2^{\circ}\text{C}$ with humidity $<70\%$



→ Accuracy of printed curing model

Within 10 days $>90\%$

Within 15 days $>85\%$

■ Physical Properties - Liquid Status

| | |
|-----------------------|-------|
| Color | Grey |
| Viscosity @25°C cps | 870 |
| Wavelength | 405nm |

■ Mechanical Properties - Post Cured Parts

| Property | Value | Test Method |
|-------------------------|-------|-------------|
| Hardness Shore D | 77 | ISO 868 |
| Tensile Modulus MPa | 1021 | ISO 527 |
| Tensile Strength MPa | 27 | ISO 527 |
| Elongation at break % | 35 | ISO 527 |
| Flexural Modulus MPa | 1429 | ISO 178 |
| Flexural Strength MPa | 54 | ISO 178 |
| Notch Izod J/m | 10.7 | ISO 180 |

| Post Processing | Value |
|--------------------------------|---------------------------------------|
| Cleaning time with 95% ethanol | Ultrasonic bath: 30 + 60 secs |
| Recommended curing time | Fabcure 1: 10 mins, Fabcure 2: 7 mins |