

# BSM 3D Printer Material



Implant  
Model Resin



Diagnostic  
Model Resin



Surgical  
Guide Resin



Gingiva  
Resin



Duraflex Temporary  
Crown Resin

## Implant Model Resin

- **Ultra-high Accuracy:** Ideal for implant diagnostics & planning.
- **TPO-free:** Safe, biocompatible for clinical use.
- **Dimensional Stability:** Keeps shape reliably.
- **Implant-Optimized:** Designed for implant & prosthetic workflows.



Color	Grey
Shrinkage	0.2%
Ultimate Flexural Strength	86 MPa
Flexural Modulus	2500 MPa
Shore Hardness	82D
Print Quantity	Up to 35 jaws



## Diagnostic Model Resin

- **Balanced Accuracy:** Perfect for restorative & orthodontic cases.
- **TPO-free:** Safe, biocompatible for clinical use.
- **Smooth Surface:** Clear, detailed diagnostics.
- **Cost-effective:** Great for high-volume model production.



Color	Yellow
Shrinkage	0.2%
Ultimate Flexural Strength	56 MPa
Flexural Modulus	1750 MPa
Shore Hardness	82D
Print Quantity	Up to 35 jaws



## Surgical Guide Resin

- **High Stability & Strength:** Resists deformation & cracking.
- **TPO-free:** Biocompatible for surgical use.
- **Low Odor:** Comfortable & non-irritating.

Color	Transparent
Shrinkage	0.2%
Ultimate Flexural Strength	75 MPa
Flexural Modulus	2250 MPa
Notched Izod	26 J/m
Printing Time	About 20 min
Print Quantity	Up to 90 Surgical guides



## Gingiva Resin

- **High Surface Dryness:** Non-sticky finish, easy post-processing.
- **Tear-resistant:** Withstands repeated placement.
- **Low Odor:** Gentle & low-irritation.

Color	Red
Tensile Strength	3.2 MPa
Tear Strength (die cut)	8.9 kN/m
Shore Hardness	55 A
Liquid Density	1.105 g/cm³
Printing Time	About 20 min
Print Quantity	Up to 490 gingiva



## Duraflex Temporary Crown Resin

- **High Precision:** Accurate margins & excellent fit.
- **Fast Printing:** Speeds chairside workflows.
- **High wear-resistant:** Durable under occlusion.
- **Odorless:** Comfortable for clinicians & patients.
- **Natural Aesthetics:** Tooth-like shade & stable color.

Color	A1, A2, A3
Shrinkage	0.2%
Tensile Strength	>80 MPa
Printing Time	About 20 min
Notched Izod	50 J/m
Print Quantity	More than 1000 single crowns

