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Original

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Correction

Correction: Riccio et al. Effects of Curing on Photosensitive Resins in SLA Additive Manufacturing. *Appl. Mech.* 2021, 2, 942–955

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The Authors of the paper “Effects of Curing on Photosensitive Resins in SLA Additive Manufacturing” [1] want to declare the following corrections to their original article.

A first correction has been made in Section 2.3—*Test Specimens (Pre- and Post-Curing)*:

In Table 1, the settings for the Grey Pro resin were reported incorrectly. The correct values should have been 15 min at 80 °C and not 30 min at 60 °C.



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Table 1. FormCure settings [4].

| Resin | Time (min) | Temperature (°C) |
|-----------------|------------|------------------|
| Tough | 60 | 60 |
| Standard Clear | 15 | 60 |
| Grey Pro | 15 | 80 |
| BioMed Amber | 30 | 60 |
| Dental LT Clear | 60 | 60 |
| Tough 1500 | 60 | 70 |
| Tough 2000 | 60 | 70 |
| Custom Tray | 30 | 60 |
| High Temp | 120 | 80 |
| Durable | 60 | 60 |
| Rigid | 15 | 80 |

Table 1 is enclosed here in its corrected version (the references, included in the original Table 1 and omitted here, can be found in [1]).

A second correction has been made in Section 3.1—*Load at Break and Young’s Modulus*:

In Table 2, four columns of standard deviation values σ were increased by one decimal place. The last two columns of standard deviation values σ were reported in MPa and not in GPa. The values should have been all divided by 1000.

Table 2 is enclosed here in its corrected version (the references, included in the original Table 2 and omitted here, can be found in [1]).

The Authors apologize for any inconvenience caused by these mistakes. We state that these textual errors did not affect the experimental testing and are inconsequential on the results reported in the remaining parts of the article.

The original article has been updated.

Table 2. Load at break and Young's modulus values as obtained for each resin. Comparison between green and post-cure conditions. Mean \bar{X} and standard deviation values σ .

| Resin | Load at Break (MPa) | | | | | | Young's Modulus (GPa) | | | | | |
|-----------------|---------------------|--------------|------------|--------------|------------|--------------|-----------------------|--------------|------------|--------------|------------|--------------|
| | Green | | Post-Cure | | | | Green | | Post-Cure | | | |
| | Data Sheet | Exp. Results | Data Sheet | Exp. Results | Data Sheet | Exp. Results | Data Sheet | Exp. Results | Data Sheet | Exp. Results | Data Sheet | Exp. Results |
| | \bar{X} | σ | \bar{X} | σ | \bar{X} | σ | \bar{X} | σ | \bar{X} | σ | \bar{X} | σ |
| Tough | 34.7 [22] | 23.5 | 1.83 | 55.7 [22] | 30.4 | 22.17 | 1.7 [22] | 0.3 | 0.03 | 2.7 [22] | 0.6 | 0.08 |
| Standard Clear | 38.0 [23] | 20.1 | 2.17 | 65.0 [23] | 42.2 | 1.91 | 1.6 [23] | 0.7 | 0.09 | 2.8 [23] | 1.0 | 0.03 |
| Grey Pro | 35.0 [24] | 32.2 | 5.68 | 61.0 [24] | 60.4 | 1.90 | 1.4 [24] | 0.8 | 0.02 | 2.6 [24] | 1.0 | 0.03 |
| BioMed Amber | N.A. [25] | 41.2 | 1.04 | 73.0 [25] | 76.8 | 4.09 | N.A. [25] | 0.8 | 0.02 | 2.9 [25] | 1.2 | 0.02 |
| Dental LT Clear | N.A. [26] | 34.6 | 1.89 | ≥50.0 [26] | 61.8 | 10.69 | N.A. [26] | 0.6 | 0.04 | ≥1.3 [26] | - (*) | - (*) |
| Tough 1500 | 26.0 [27] | 30.4 | 2.63 | 33.0 [27] | 41.2 | 0.96 | 0.9 [27] | 0.4 | 0.02 | 1.5 [27] | 0.6 | 0.01 |
| Tough 2000 | 29.0 [28] | 26.5 | 0.41 | 46.0 [28] | 42.0 | 1.43 | 1.2 [28] | 0.4 | 0.04 | 2.2 [28] | 0.8 | 0.02 |
| Custom Tray | N.A. [29] | 26.9 | 1.98 | ≥70.0 [29] | 84.7 | 2.43 | N.A. [29] | 0.4 | 0.01 | ≥2.5 [29] | 1.1 | 0.01 |
| High Temp | 20.9 [30] | 26.2 | 0.30 | 58.3 [30] | 48.2 | 7.90 | 0.8 [30] | 0.3 | 0.01 | 2.8 [30] | 0.8 | 0.00 |
| Durable | 18.6 [31] | 17.0 | 0.79 | 31.8 [31] | 34.5 | 1.34 | 0.5 [31] | 0.2 | 0.03 | 1.3 [31] | 0.4 | 0.01 |
| BioMed Clear | N.A. [32] | 30.9 | 1.87 | 52.0 [32] | 60.1 | 0.55 | N.A. [32] | 0.4 | 0.02 | 2.1 [32] | 0.9 | 0.02 |
| Rigid | 40.0 [33] | 39.8 | 3.07 | 75.0 [33] | 74.5 | 7.69 | 2.2 [33] | 0.7 | 0.02 | 4.1 [33] | 1.3 | 0.18 |

(*) After curing, the Dental LT Clear Resin became fragile to such an extent that it broke during clamping, making the experimental test unfeasible.

Reference

1. Riccio, C.; Civera, M.; Ruiz, O.G.; Pedullà, P.; Reinoso, M.R.; Tommasi, G.; Vollaro, M.; Burgio, V.; Surace, C. Effects of Curing on Photosensitive Resins in SLA Additive Manufacturing. *Appl. Mech.* **2021**, *2*, 942–955. [[CrossRef](#)]