**Supporting information:** “Zn-Al-based layered double hydroxides (LDH) active structures for dental restorative materials’

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Mechanical properties of the commercial dental resin added with 33.10-[Zn-Al]c600 and 33.10-[Zn-Al]c300 at mass ratios of 2.5% and 4%.

*Table S1*: Mechanical properties of dental resin reinforced with 33.10-[Zn-Al]-LDHc.

|  |  |  |
| --- | --- | --- |
| Sample | Flexural strength (MPa) | Elastic modulus(GPa) |
| Control | 459.6 | 25.04  |
| 2.5% 33.10-[Zn-Al]c300 | 681.2 | 22.97 |
| 4% 33.10-[Zn-Al]c300 | 104.2 | 05.60 |
| 2.5% 33.10-[Zn-Al]c600 | 111.4 | 05.18 |
| 4% 33.10-[Zn-Al]c600 | 255.7 | 11.16 |

Data obtained from a three-point flexural test with a span of 40 mm was used to fracture the specimens, using a computer-controlled universal mechanical testing machine (Instron Corp., Canton, MA) fitted with a 50 kgf load cell and operated at a crosshead speed of 0.5 mm min-1.