## **PROPERTIES OF 3D PRINTED PLA WITH ADDITIVES**

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As the technology of 3D printing increases rapidly in today's world, so too does the list of properties desirable in a finished, printed project. One way to improve said properties is to include additives in the material a 3D printer utilizes. The research program combined talc and mica with the PLA plastic presently used in many 3D printers. The end purpose was to measure the additives' effects on the strength and other properties at different additive proportions. The behavior of the new PLA printing filament was evaluated so that an optimal additive amount could be recommended.