

ROLASERIT®: High Tech Powders for Laser Sintering of 3D Parts

Competence in Bonding Technologies

ROWAK AG has developed in a partnership with AM Polymer Research UG new thermoplastic Laser Sintering Powders. Target was to close the gap of processable elastic and polyolefin thermoplastics.

Knowledge of 40 years and several years of research were necessary to develop excellent processable elastic and polyolefin powders with layer thicknesses of 100 µm and very sharp edges.

Parts are in daily use to determine real world behavior.

Actual results: High resistancy and elongation for TPE and PE.

ROLASERIT® Powders are processed at lower temperatures compared to PA12 available grades and already contributing to less energy consumption to produce small series parts.

Customers of Automotive, Medical, Buildtech and Household industries are already using ROLASERIT® powder grades successfully.

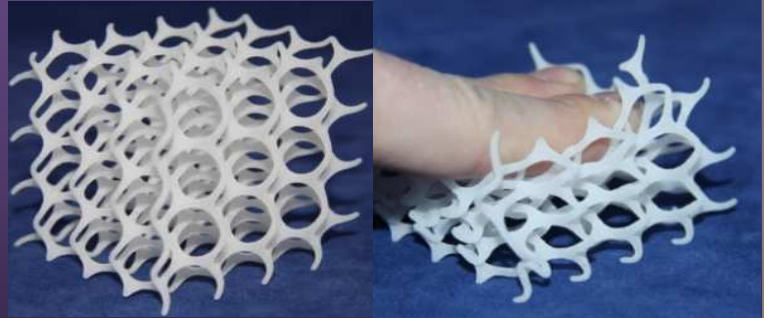
Advantages:

- Less energy consumption
- Multiple usage of Powder
- Easy flowing
- No problems on material feeding
- No Smoke Development
- Usable for all available Machines
- Only single laser exposure
- High resolution (100µm layer)
- Sharp edges

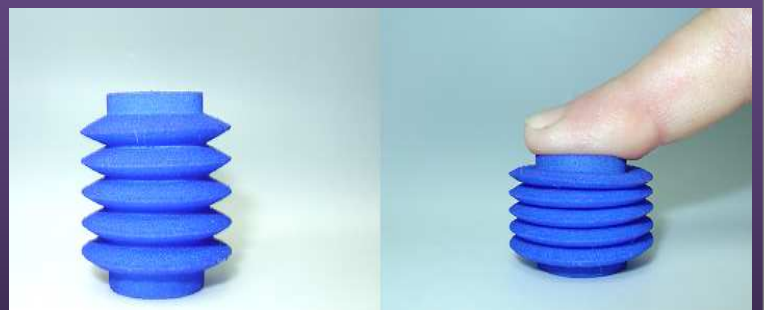
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Flexible web cube out of TPE ROLASERIT® PB00001



Flexible tube out of TPE ROLASERIT® PB00001



Smart Phone case out of TPE ROLASERIT® PB00001



Parts out of PE ROLASERIT® NB00001