

New product

# HP Filament<sup>®</sup> (High-Strength Type)

Improving its impact-resistance by compounding Eucmmia elastomer<sup>®</sup>.



PLA based filament for FDM 3D printer which has higher impact resistance by adding Eucmmia elastmer.

HP filament<sup>®</sup> (High Strength Type) is PLA based filament for FDM 3D printer. Eucmmia elastomer<sup>®</sup> is new-developed natural polymer of HITACH Zosen CORPORATION which synthesized in eucmmia plants. By combining Eucmmia elastomer with PLA, HOTTY POLYMER Co., Ltd. can increase impact resistance of filament by 30 percent compare to general PLA filament. Coloring is possible.

## Features

### High Impact resistance



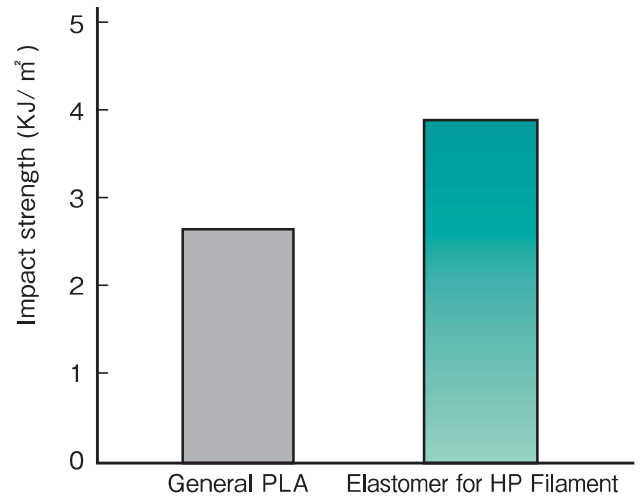
Compare to general PLA this filament improves its impact resistance by 30 percent.

### Application



Eco-friendly: Both PLA and Eucmmia elastomer is plant-derived material, therefore products can be manufactured.

■ Comparison of impact intensity with PLA



Test data : Provision from the Hitachi Zosen Corporation

## Applications

Medical equipment parts, trial products, tested jig, outdoor gear, sports gear etc.

※Separate negotiations must be needed before adoption because quality requirements vary according to the conditions under which the products will be used.

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