# Filament For 3D Printers   multicomp PRO

### Description

ABS+HS is a modified version of ABS material. Compared to conventional ABS, it exhibits lower shrinkage and superior interlayer adhesion, reducing the likelihood of warping and cracking during printing. It contains low VOC (Volatile Organic Compounds) components, resulting in a reduced odor during the printing process, making it more comfortable and stress-free. This material is optimized for high-speed printing, maintaining its performance even at higher speeds, providing an excellent printing experience. Additionally, it can be acetone polished to eliminate layer lines and further enhance the print quality.

### Features:

- Heat resistance
- Low odor
- Low shrinkage rate
- Strong performance and toughness
- Heat resistance
- Low odor
- Low shrinkage rate
- Strong performance and toughness

### Applications

- Machine
- Mold
- Toy
- Electrical and electronic
- appliances
- Car

## Specification

| 3D PRINTING FILAMENT | ABS+HS |
| --- | --- |
| Density(g/cm') | 1.04 |
| Heat Distortion Temp (°C, 0.45MPa) | 89 |
| | 9/10 |
| Melt Flow Index (g/10min) | 6(220°C/10kg) |
| Tensile Strength (MPa) (Z) | 28 |
| Elongation at Break (%) (Z) | 3.9 |
| Flexural Strength(MPa) (xY) | 46 |
| Flexural Modulus(MPa) (XY) | 1477 |
| IZOD Impact Strength(kJ/m') (XY) | 20 |
| Durability | 8/10 |
| Printability | 8/10 |
| Extruder Temperature | 230°C to 270°C Recommended Temperature 240°C |
| Bed temperature | 100°C to 110°C |
| Fan Speed | 0% |

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| Printing Speed | 50 - 300mm/s |
|---|---|
| Heated Bed | Required |
| Recommended Build Surfaces | High Temperature Tape, PVP Solid Glue |
| Form | Filament |
| Processing method | 3D Print, FDM Print |

### Part Number Table

| Description | Part Number |
|---|---|
| ABS HS Filament, 1.75mm, Black, 1Kg | MP013911 |
| ABS HS Filament, 1.75mm, White, 1Kg | MP013912 |

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