



## TECHNICAL DATA SHEET FOR PRODUCT:

### ABS-T FILAMENT

|                      |                                                                                                |            |                     |
|----------------------|------------------------------------------------------------------------------------------------|------------|---------------------|
| Use                  | is a material for the FDM (FFF) 3D printing additive technology                                |            |                     |
| Material             | Acrylonitrilbutadienstyrene MMA, petroleum product                                             |            |                     |
| Diameters            | 1,75 or 2,90 mm                                                                                |            |                     |
| Tolerance            | ± 0,05 mm                                                                                      |            |                     |
| Weight               | 0,5 kg netto ± 5% / 0,7 kg brutto ± 5%                                                         |            |                     |
|                      | 1,0 kg netto ± 5% / 1,3 kg brutto ± 5%                                                         |            |                     |
| Packing              | spool in Vacuum ZIP bag, inserting to paper box, all in LDPE foil                              |            |                     |
| Colours              | views on web <a href="https://www.filament-pm.com/abs-t">https://www.filament-pm.com/abs-t</a> |            |                     |
| Solvents             | Acetone                                                                                        |            |                     |
| Printing Properties: |                                                                                                |            |                     |
| Temperature HE       | Ø 1,75: 230 – 250 °C                                                                           |            | Ø 2,90: 250 – 280°C |
| Temperature HB       | 100-110 °C                                                                                     |            |                     |
| Surface bed          | kapton, ultem, PET foil, commons for FDM printing                                              |            |                     |
| Cooling print object | NO                                                                                             |            |                     |
| Nozzle               | All diameters / for glitter using nozzle min 0,5 mm and more                                   |            |                     |
| Printer space        | Open / Close                                                                                   |            |                     |
| Material Properties: |                                                                                                |            |                     |
| Thermal              | vicat softening temperature                                                                    | ISO 306    | 100 °C              |
|                      | heat deflection temperature                                                                    | ISO 75     | 97 °C               |
| Mechanical           | impact strength                                                                                | ISO 179    | 20 kJ/m²            |
|                      | flexural modulus                                                                               | ISO 178    | 2000 MPa            |
| Physical             | Density                                                                                        | ISO 1183/B | 1,08 g/cm³          |
|                      | Melt Flow Index                                                                                | ISO 1133   | 2 g/10 min          |