

## Technical data sheet

# TPE 32 RubberJet Flex

|           |   |
|-----------|---|
| Use       | It is a material for the FDM (FFF) 3D printing additive technology. |
| Material  | Poly lactid acid by NatureWork, Biodegradable material              |
| Diameter  | 1,75 mm   |
| Tolerance | ± 0,1 mm  |
| Weight    | 1,0 kg netto ± 5 % / 1,3 kg brutto ± 5 %                            |
| Packing   | Spool in Vacuum ZIP bag, inserting to paper box, all in LDPE foil.  |
| Colour    | See <a href="http://www.filament-pm.com">www.filament-pm.com</a>    |
| Solvents  | Cyklohexan, Tetrahydrofuran   |

### Printing Properties

|                      |                |
|----------------------|----------------|
| Temperature HE       | 220 - 240 °C   |
| Temperature HB       | 0 °C           |
| Surface bed          | Ultem, PP tape |
| Cooling print object | Yes            |
| Nozzle               | All diameters  |
| Printer space        | Open / Close   |

### Material Properties

|            |                             |            |                        |
|------------|-----------------------------|------------|------------------------|
| Thermal    | Vicat softening temperature | IISO 306   | 100 °C                 |
|            | Heat deflection temperature | ISO 75     | 100 °C                 |
| Mechanical | Tensile strength            | ISO 37     | 15 kJ/m <sup>2</sup>   |
|            | Elongation at Break         | ISO 37     | 650 %                  |
|            | Tear resistance             | ISO        | 41 N/mm                |
| Physical   | Density                     | ISO 1183/B | 1,10 g/cm <sup>3</sup> |
|            | Hardness                    | ISO 7619   | 32 Shore D             |



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