

# Technical Data Sheet



## Product name: EasyWood™

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Version: v2

EasyWood™ looks, feels and smells like real wood. EasyWood™ is a unique mixture of 40% grinded wood particles in combination with the modified and proven easy-to-print binding polymers used for our EasyFil™ PLA filaments. This extraordinary blend has resulted in a high-end and unsurpassed “easy to print” wooden filament.

You can obtain a beautiful wood-nerve structure in your EasyWood™ printed objects by grinding it a little bit with a piece of fine grit sandpaper. By grinding your printed object a bit you will highlight the relief, or rough edges/surfaces, of your printed object with different shades of the respective wood colour.

| Properties             | Typical value         | Test Method | Test condition |
|------------------------|-----------------------|-------------|----------------|
| <b>Physical</b>        |                       |             |                |
| Specific gravity       | 1.20 g/cc             | ASTM D1505  | -              |
| Melt flow rate         | 4.5 g/10min           | -           | -              |
| Water absorption       | -                     | -           | -              |
| Moisture absorption    | -                     | -           | -              |
| <b>Mechanical</b>      |                       |             |                |
| Impact strength        | 7.1 KJ/m <sup>2</sup> | -           | -              |
| Tensile strength       | 71 Mpa (MD)           | ASTM D882   | -              |
| Tensile modulus        | 1930 Mpa (MD)         | ASTM D882   | -              |
| Elongation at break    | 171% (MD)             | ASTM D882   | -              |
| Flexural strength      | ± 59.6 Mpa            | -           | -              |
| Flexural modulus       | ± 2583.9 Mpa          | -           | -              |
| Hardness               | -                     | -           | -              |
| <b>Thermal</b>         |                       |             |                |
| Print temperature      | ± 200 - 240° C        | -           | -              |
| Melting temperature    | ± 145 ± 10° C         | -           | -              |
| Viscat softening temp. | ± 46° C               | ISO 306     | -              |
| <b>Optical</b>         |                       |             |                |
| Haze                   | -                     | -           | -              |
| Transmittance          | -                     | -           | -              |
| Gloss                  | -                     | -           | -              |

| Product details, certifications and compliance | Diameter | Tolerance | Roundness |
|--|----------|-----------|-----------|
| HS Code  | 1.75mm   | ± 0.05mm  | ≥ 95%     |
| REACH compliant                                | 2.85mm   | ± 0.10mm  | ≥ 95%     |
| RoHS certified                                 |          |           |           |
| FDA compliant                                  |          |           |           |

|                  |                     |                             |
|------------------|---------------------|-----------------------------|
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