

TECHNICAL DATE SHEET

PP CF

BASE MATERIAL: Polypropylene >80% + carbon fibers

PROPERTIES

| PROPERTIES | | VALUE | METOD AND CONDICTION |
|-----------------------|-----------------------------|------------------------|----------------------|
| PHYSICAL & MECHANICAL | Density | 1,22 g/cm ³ | ISO 1183 |
| | Elongation at break: | 1,30% | ISO 527 |
| | Flexure Modulus: | 5500 Mpa | ISO 527 |
| | Tensile strength at break: | 35 Mpa | ISO 527 |
| | CHARPY | unnotched | 9 kJ/m ² |
| notched | | 5,2 kJ/m ² | ISO 179-1eU |
| THERMAL | Heat Deflection Temperature | | |
| | 0,45 MN/m ² | 130 °C | ISO 75 |
| | 1,81 MN/m | 92 °C | ISO 75 |

SUGGESTED PRINTER SETTING

| PARAMETERS | VALUE | UNIT |
|----------------------|-----------|------|
| Extruder Temperature | 220 - 240 | °C |
| Print Speed | 40 - 80 | mm/s |
| Bed Material | 0 - 80 | °C |

PRODUCT DETAILS & CERTIFICATION

| | | |
|------------------------|--|--|
| Diameter | 1,75 mm 2,85 mm | Tolerance ± 0,05mm Tolerance ± 0,10mm |
| REACH & ROHS compliant | | compliant |
| Major Benefits | <ul style="list-style-type: none"> - Mechanically high-performance material - High impact resistance - Chemical inertness - Dimensional stability - Not hygroscopic | |

The information supplied in relation to our products recommendations or otherwise, is collected from source considered to be dependable or internally developed. Ciceri de Mondel Srl assumes no liability and makes no warranties of any kind about the accuracy of this datas. The user assumes all responsibility for the use of all information provided and shall.