

CF-ABS Pellet Technical Data Sheet(TDS)

| MECHANICAL PROPERTIES | | | |
|--------------------------|-----------------|----------|----------|
| Property | Method | Value | |
| | | XY | ZX |
| Tensile Modulus | ASTM D638 | 4200MPa | 2040MPa |
| Yield Strength | ASTM D638 | 41.07MPa | 22.06MPa |
| Breaking Strength | ASTM D638 | 40.29MPa | 18.90MPa |
| Breaking Elongation Rate | ASTM D638 | 2.48% | 2.47% |
| Shrink Factor | During Printing | 0.4% | 0.4% |

| THERMAL PROPERTIES | | |
|-----------------------------|--------------|----------|
| Property | Method | Value |
| Heat Deflection Temperature | ASTM D648, 0 | 100° C |
| Melt Temperature | N/A | 225±2° C |

| OTHER PROPERTIES | | |
|------------------------------------|-------------------|-------|
| Property | Method | Value |
| Max Moisture Content for Printing* | Moisture Analyzer | <0.1% |

*Max Moisture Content is dependent on print geometry

Updated on March 31, 2025