

CF-PESU Pellet Technical Data Sheet(TDS)

| MECHANICAL PROPERTIES | | | |
|-----------------------|--------------------|--------------------|--------------------|
| Property | Method | Value | |
| | | X | Z |
| Tensile Strength | Modified ASTM D638 | 115MPa / 16.7ksi | 50.3MPa / 7.3ksi |
| Tensile Modulus | Modified ASTM D638 | 11700MPa / 1.7Msi | 3800MPa / 0.5Msi |
| Flexural Strength | Modified ASTM D790 | 194.8MPa / 28.3ksi | 106.9MPa / 15.5ksi |
| Flexural Modulus | Modified ASTM D790 | 13100MPa / 1.9Msi | 4100MPa / 0.6Msi |

| THERMAL PROPERTIES | | |
|-----------------------------|---|-----------------|
| Property | Method | Value |
| Heat Deflection Temperature | ASTM D648 (Annealed), 1.82MPa,3.22mm | 215° C / 420° F |

| OTHER PROPERTIES | | |
|------------------|-----------|-------------------------------------|
| Property | Method | Value |
| Water Absorption | 24h | TBD |
| Density | ASTM D792 | 0.046 lb/In ³ / 1.29g/cc |

Updated on March 31, 2025