



## 库浦LCP纤维1000D(HTD-HME)产品物性表

| 序号<br>No. | 检测项目<br>Item                   |                   | 检测标准<br>Method  | 物性指标 Property values                |                                     |                                    |                                    |
|-----------|--------------------------------|-------------------|-----------------|-------------------------------------|-------------------------------------|------------------------------------|------------------------------------|
|           |                                |                   |                 | 常规强度纤维<br>Regular<br>strength fiber | 常规强度纤维<br>Regular<br>strength fiber | 常规模量纤维<br>Regular<br>modulus fiber | 常规模量纤维<br>Regular<br>modulus fiber |
|           |                                |                   |                 | HTD                                 | HTE                                 | HMD                                | HME                                |
| 1         | 密度<br>Density                  | g/cm <sup>3</sup> | ASTM 792        | 1.4                                 | 1.4                                 | 1.4                                | 1.4                                |
| 2         | 线密度<br>Linear density          | dtex              | GB/T 14343-2008 | 1055-1166                           | 1055-1166                           | 1055-1166                          | 1055-1166                          |
| 3         | 拉伸强度<br>Tensile strength       | cN/dtex           | ASTM D885       | 15.0-17.9                           | 15.0-17.9                           | 13.0-15.9                          | 13.0-15.9                          |
|           |                                | Gpa               | ASTM D885       | 2.1-2.5                             | 2.1-2.5                             | 1.8-2.2                            | 1.8-2.2                            |
|           |                                | g/d               | ASTM D885       | 17.0-20.2                           | 17.0-20.2                           | 14.7-18.0                          | 14.7-18.0                          |
| 4         | 拉伸模量<br>Tensile modulus        | cN/dtex           | ASTM D885       | > 410                               | > 410                               | 600-700                            | 600-700                            |
|           |                                | Gpa               | ASTM D885       | > 58                                | > 58                                | 84-99                              | 84-99                              |
|           |                                | g/d               | ASTM D885       | > 465                               | > 465                               | 680-794                            | 680-794                            |
| 5         | 断裂伸长率<br>Elongation at break   | %                 | ASTM D885       | 3.0-3.5                             | 3.0-3.5                             | 2.0-2.5                            | 2.0-2.5                            |
| 6         | 吸水率<br>Moisture absorption     | %                 | GB/T 6283-2008  | 0.04                                | 0.04                                | 0.04                               | 0.04                               |
| 7         | 极限氧指数<br>Limiting oxygen index | %                 | ASTM D2863      | 28                                  | 28                                  | 28                                 | 28                                 |
| 8.0       | 卷重<br>Volume heavy             | Kg                | /               | 2.0                                 | >2.0                                | 2.0                                | >2.0                               |