

TECHNOLOGY DEPARTMENT

**物 性 表**

|                 |             |           |
|-----------------|-------------|-----------|
| 商 标 (TRADEMARK) | 品 级 (GRADE) | 类型 (TYPE) |
| UMG ALLOY®      | TA-820CA    | -         |

| 性能项目<br>Property             | 测试方法<br>TestMethod | 测试条件<br>Condition   | 单位<br>Unit                          | 代表性的物性值    |
|------------------------------|--------------------|---------------------|-------------------------------------|------------|
| 冲击强度<br>CharpyImpactStrength | ISO 179            | 23 deg. C           | kJ/m <sup>2</sup>                   | 6          |
|                              |                    | -30 deg. C          |                                     | -          |
| 拉伸强度<br>TensileStrength      | ISO 527            | 23 deg. C           | MPa                                 | *98        |
| *拉伸断裂应力                      |                    | 23 deg. C           | MPa                                 | 9100       |
| 拉伸模量<br>TensileModulus       |                    | 23 deg. C           | MPa                                 | 9100       |
| 弯曲强度<br>FlexuralStrength     | ISO 178            | 23 deg. C           | MPa                                 | 135        |
| 弯曲模量<br>FlexuralModulus      |                    | 2mm/min             | MPa                                 | 8000       |
| 硬度<br>RockwellHardness       | ISO 2039           | 23 deg. C           | R-scale                             | 117        |
| 热变形温度<br>T. D. U. L.         | ISO 75             | 1.80MPa<br>Flatwise | deg. C                              | 113        |
| 密度<br>Density                | ISO 1183           | 23 deg. C           | g/cm <sup>3</sup>                   | 1.17       |
| 熔融指数<br>M. V. R.             | ISO 1133           | 220 °C              | cm <sup>3</sup> /10min              | 5          |
| 模具收缩率<br>MoldShrinkage       | ISO 294-4          | 23 deg. C           | %                                   | 0.1-0.3    |
| 线性膨胀系数<br>C. L. T. E.        | ISO 11359-2        | -                   | cm/cm/deg.<br>C(x10 <sup>-5</sup> ) | 1.5        |
| 阻燃性<br>UL                    | UL 94              | -                   | mm                                  | 0.8-3.0 HB |
|                              |                    | -                   | mm                                  | -          |
|                              |                    | -                   | mm                                  | -          |