

## PRODUCT DATA SHEET

TRADEMARK: UMG ALLOY®

**GRADE: CV702**

|   | TEST METHOD | CONDITION           | UNIT                   | <b>CV702</b> |
|---|-------------|---------------------|------------------------|--------------|
| Charpy Impact Strength,(Notched)        | ISO 179     | 23 deg.C            | kJ/m <sup>2</sup>      | 70           |
|   |             | -30 deg.C           |                        | 16           |
| Tensile Strength                        | ISO 527     | 23 deg.C            | MPa                    | 51           |
| Tensile Modulus                         |             | 23 deg.C            | MPa                    | 2100         |
| Flexural Strength                       | ISO 178     | 23 deg.C<br>2mm/min | MPa                    | 76           |
| Flexural Modulus                        |             |                     | MPa                    | 2150         |
| Rockwell Hardness                       | ISO 2039    | 23 deg.C            | R-scale                | 100          |
| T.D.U.L.                                | ISO 75      | 1.80MPa<br>Flatwise | deg.C                  | 103          |
| Density                                 | ISO 1183    | 23 deg.C            | g/cm <sup>3</sup>      | 1.22         |
| Melt Volume Flow Rate                   | ISO 1133    | 230deg.C            | cm <sup>3</sup> /10min | 8            |
| Mold Shrinkage <sup>note)</sup>         | ISO 294-4   | 23 deg.C            | %                      | 0.5-0.7      |
| Coefficient of Linear Thermal Expansion | ISO 11359-2 | -                   | cm/cm/deg.<br>C(x10-5) | 8            |
| UL Flame Rating<br>File No. E47016      | UL 94       | -                   | mm                     | 1.4 V-0      |
|   |             | -                   | mm                     | 2.5 5VB      |
|   |             | -                   | mm                     | -            |