

PRODUCT DATA SHEET

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|-----------------|--------------|------|
| TRADEMARK | GRADE | type |
| UMG ABS® | VW801 | - |

| | TEST METHOD | CONDITION | UNIT | Typical property value |
|---|-------------|---------------------|------------------------|------------------------|
| Charpy Impact Strength,(Notched) | ISO 179 | 23 deg.C | kJ/m ² | 16 |
| | | -30 deg.C | | 6 |
| Tensile Strength | ISO 527 | 23 deg.C | MPa | 38 |
| Tensile Modulus | | 23 deg.C | MPa | 2350 |
| Flexural Strength | ISO 178 | 23 deg.C 2mm/min | MPa | 66 |
| Flexural Modulus | | | MPa | 2450 |
| Rockwell Hardness | ISO 2039 | 23 deg.C | R-scale | 102 |
| T.D.U.L. | ISO 75 | 1.80MPa Flatwise | deg.C | 73 |
| Density | ISO 1183 | 23 deg.C | g/cm ³ | 1.18 |
| Melt Volume Flow Rate | ISO 1133 | 220deg.C | cm ³ /10min | 33 |
| Mold Shrinkage ^{note)} | ISO 294-4 | 23 deg.C | % | 0.5-0.7 |
| Coefficient of Linear Thermal Expansion | ISO 11359-2 | - | cm/cm/deg. C(x10-5) | 9 |
| UL Flame Rating | UL 94 | - | mm | 1.5-3.0 V-0 |
| | | - | mm | 2.0-3.0 5VB |
| | | - | mm | - |