



## TAIRILAC<sup>®</sup> ABS RESIN

| Property                    | Unit                                             | Test Method                | Test Condition                                  | Extrusion Grade    |
|-----------------------------|--------------------------------------------------|----------------------------|-------------------------------------------------|--------------------|
|                             |                                                  |                            |                                                 | <b>AE8000</b>      |
| Tensile Strength            | kg/cm <sup>2</sup><br>(Mpa)                      | ASTM D-638<br>( ISO 527 )  | 23 °C                                           | 440 (43)           |
| Flexural Strength           | kg/cm <sup>2</sup><br>(Mpa)                      | ASTM D-790<br>( ISO 178 )  | 23 °C                                           | 700 (69)           |
| Flexural Modulus            | kg/cm <sup>2</sup><br>(Mpa)                      | ASTM D-790<br>( ISO 178 )  | 23 °C                                           | 23000 (2260)       |
| Rockwell Hardness           | R-scale                                          | ASTM D-785<br>(ISO 2039/2) | 23 °C                                           | R-100              |
| Izod Impact Strength        | kg-cm/cm<br>(J/m)                                | ASTM D-256<br>(ISO R180)   | 23 °C<br>1/4"                                   | 40 (392)           |
| Vicat Softening Point       | °C                                               | ASTM D-1525<br>(ISO 306)   | 1Kg load                                        | 102                |
| Heat Deflection Temperature | °C                                               | ASTM D-648<br>(ISO 75/A)   | Unannealed<br>18.6 kg/cm <sup>2</sup> (1/2"bar) | 86                 |
|                             |                                                  |                            | Annealed (80°C×8hr)                             | 96                 |
| Melt Flow Index             | g/10 min                                         | ASTM D-1238<br>(ISO 1133)  | 200°C×5kg(49N)                                  | —                  |
|                             |                                                  |                            | 220°C×10kg(98N)                                 | 5                  |
| Specific Gravity            |                                                  | ASTM D-792<br>(ISO 1183)   | 23°C/23°C                                       | 1.04               |
| Flammability                |                                                  | UL-94                      | File No. E162823                                | 1.5mm HB All Color |
| CHARACTERISTICS             | Extrusion molding, Super high impact, High rigid |                            |                                                 |                    |

All tests were run under laboratory conditions, ASTM, ISO testing procedures. The data are intended as a general guide only.

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