

## Black ABS POLYLAC® PA-757 J01

Product Description: High gloss, Medium impact, black

| Properties                                     | ISO Test Method | Test Condition           | Unit              | PA-757 J01             |
|------------------------------------------------|-----------------|--------------------------|-------------------|------------------------|
| <b>Melt Flow Index</b>                         | 1133            | 220°C×10KG               | ml/10 min         | 17                     |
| <b>Mass Density</b>                            | 1183            | 23 °C                    | g/cm <sup>3</sup> | 1.05                   |
| <b>Tensile Strength</b>                        | 527             | 50 mm/min, yield         | MPa               | 47                     |
|                                                |                 | 50 mm/min, break         | MPa               | 35                     |
| <b>Tensile Elongation</b>                      | 527             | 50 mm/min                | %                 | 50                     |
| <b>Flexural Strength</b>                       | 178             | 2 mm/min                 | MPa               | 70                     |
| <b>Flexural Modulus</b>                        |                 | 2 mm/min                 | GPa               | 2.4                    |
| <b>Izod Impact Strength</b>                    | 180/1A          | 23°C, Notched            | KJ/m <sup>2</sup> | 19                     |
|                                                |                 | -30°C, Notched           | KJ/m <sup>2</sup> | –                      |
| <b>Charpy Impact Strength</b>                  | 179             | 23°C, Notched            | KJ/m <sup>2</sup> | 18                     |
|                                                |                 | Charpy<br>-30°C, Notched | KJ/m <sup>2</sup> | –                      |
| <b>Vicat Softening Temp.</b>                   | 306             | 50°C/hr; 1KG             | °C                | 106                    |
|                                                |                 | 50°C/hr; 5KG             | °C                | 102                    |
| <b>Heat Distortion Temp.</b>                   | 75/A            | 1.8MPa, unannealed       | °C                | –                      |
|                                                |                 | 1.8MPa, annealed         | °C                | 98                     |
| <b>Coefficient of Linear Thermal Expansion</b> | 11359           | -                        | -                 | 7.9 x 10 <sup>-5</sup> |
| <b>Flammability</b>                            | -               | UL-94                    | -                 | 1.5mm HB               |
| <b>Mold Shrinkage</b>                          | 294-4           | -                        | %                 | 0.4~0.7                |
| <b>Symbol</b>                                  | 1043            | -                        | -                 | >ABS<                  |

