

**Painting ABS POLYLAC<sup>®</sup> PA-746M**

Product Description: Excellent Processability and Adhesion Properties

| Properties                              | ISO Test Method | Test Condition     | Unit              | PA-746M    |
|-----------------------------------------|-----------------|--------------------|-------------------|------------|
| Melt Flow Index                         | 1133            | 220°C×10KG         | ml/10 min         | 50         |
| Mass Density                            | 1183            | 23 °C              | g/cm <sup>3</sup> | 1.04       |
| Tensile Strength                        | 527             | 50 mm/min, yield   | MPa               | 41         |
|                                         |                 | 50 mm/min, break   | MPa               | 30         |
| Tensile Elongation                      | 527             | 50 mm/min          | %                 | 70         |
| Flexural Strength                       | 178             | 2 mm/min           | MPa               | 61         |
| Flexural Modulus                        |                 | 2 mm/min           | GPa               | 2.1        |
| Izod Impact Strength                    | 180/1A          | 23°C, Notched      | KJ/m <sup>2</sup> | 19         |
|                                         |                 | -30°C, Notched     | KJ/m <sup>2</sup> | –          |
| Charpy Impact Strength                  | 179             | 23 °C Notched      | KJ/m <sup>2</sup> | 20         |
|                                         |                 | -30 °C Notched     | KJ/m <sup>2</sup> | –          |
| Vicat Softening Temp.                   | 306             | 1 Kg,50 °C/hr      | °C                | 104        |
|                                         |                 | 5 Kg,50 °C/hr      | °C                | 99         |
| Heat Distortion Temp.                   | 75/A            | 1.8 MPa Unannealed | °C                | –          |
|                                         |                 | 1.8 MPa Annealed   | °C                | 96         |
| Coefficient of Linear Thermal Expansion | 11359           | -                  | -                 | 8.3 x 10-5 |
| Flammability                            | -               | UL-94              | -                 | 1.5mm HB   |
| Mold Shrinkage                          | 294-4           | -                  | %                 | 0.4~0.7    |
| Symbol                                  | 1043            | -                  | -                 | >ABS<      |

