

# Taita Chemical Company, Limited



Head Office : 12FL, No.39, Ji-Hu, Taipei, Taiwan  
Tel : (886) 2-8751-6888  
Fax : (886) 2-2650-3260

Product Information  
Ver. : 6.0

## TAITALAC 6000P

### ABS Resin

#### DESCRIPTION

- Injection
- Medium high impact
- High flow for process
- High productivity

| Properties                  | Test      | Test Condition                                             | SI unit            |       | English unit |       |
|-----------------------------|-----------|------------------------------------------------------------|--------------------|-------|--------------|-------|
|                             |           |                                                            | Unit               | s.p.  | Unit         | s.p.  |
| Specific Gravity            | ASTMD792  |                                                            |                    | 1.04  |              |       |
| Melt Flow Index             | ASTMD1238 | 200°C , 5kg load                                           | g/10min            | 4.5   |              |       |
| Melt Flow Index             | ASTMD1238 | 220°C , 10kg load                                          |                    | 40    |              |       |
| <b>Mechanical</b>           |           |                                                            |                    |       |              |       |
| Izod Impact Strength        | ASTMD256  | 23°C , 1/4 in notched                                      | kg-cm/cm           | 30    | ft-lb/in     | 5.5   |
| Izod Impact Strength        | ASTMD256  | 23°C , 1/8 in notched                                      | kg-cm/cm           | 34    | ft-lb/in     | 6.4   |
| Tensile Strength at Yield   | ASTMD638  | 23°C , 1/8 in, 5 mm/min                                    | kg/cm <sup>2</sup> | 380   | psi          | 5400  |
| Tensile Strength at Break   | ASTMD638  | 23°C , 1/8 in, 5 mm/min                                    | kg/cm <sup>2</sup> | 330   | psi          | 4700  |
| Elongation at Break         | ASTMD638  | 23°C , 1/8 in, 5 mm/min                                    | %                  | 30    |              |       |
| Flexural Yield              | ASTMD790  | 23°C , 2.8 mm/min                                          | kg/cm <sup>2</sup> | 600   | psi          | 8500  |
| Flexural Modulus            | ASTMD790  | 23°C , 2.8 mm/min                                          | kg/cm <sup>2</sup> | 21000 | psi          | 29000 |
| <b>Thermal</b>              |           |                                                            |                    |       |              |       |
| Heat Distortion Temperature | ASTMD648  | Unannealed, 1/2 in, 18.56 kg/cm <sup>2</sup> load pressure | °C                 | 85    | °F           | 185   |
| Vicat Softening Temperature | ASTMD1525 | 1/8 in , 1 kg load                                         | °C                 | 101   | °F           | 216   |
| <b>Physical</b>             |           |                                                            |                    |       |              |       |
| Specific Gravity            | ASTMD792  |                                                            |                    | 1.03  |              |       |
| Rockwell Hardness           | ASTMD785  | 23°C , R-scale                                             | R-scale            | 109   |              |       |
| Mold Shrinkage              | ASTMD955  |                                                            | %                  | ≤ 0.4 |              |       |
| Water Absorption            | ASTMD570  |                                                            | wt %               | ≤ 0.3 |              |       |
| <b>Flammability</b>         | UL-94     | 1/16 in                                                    | File No E50263     | HB    |              |       |
| <b>Electrical</b>           |           |                                                            |                    |       |              |       |
| Relative Temperature Index  | UL-746B   | 0.062 in above                                             | °C                 | 60    | °F           | 140   |
| Hot Wire Ignition           | UL-746A   | 0.062 in above                                             | Secs               | 13    |              |       |
| High Current Arc Ignition   | UL-746A   | 0.062 in above                                             | Arcs               | 200   |              |       |
| Arc Tracking Rate           | UL-746A   | 0.062 in above                                             | in/min             | 0     |              |       |

Note : The data listed represent average values and are believed to be reliable. They are given for information; no guarantee of their accuracy is made.