

**MAC-601 UV**

(PC+ABS)

Kingfa Sci. &amp; Tech.

| Processing/Physical Characteristics | Value | Unit  | Test Standard |
|-------------------------------------|-------|-------|---------------|
| <b>ASTM Data</b>                    |       |       |               |
| Mold Shrinkage, MD                  | 0.005 | mm/mm | ASTM D 955    |

| Mechanical properties         | Value | Unit | Test Standard |
|-------------------------------|-------|------|---------------|
| <b>ASTM Data</b>              |       |      |               |
| Tensile Strength              | 50    | MPa  | ASTM D 638    |
| Elongation at Break           | 60    | %    | ASTM D 638    |
| Flexural Modulus              | 2100  | MPa  | ASTM D 790    |
| Flexural Strength             | 75    | MPa  | ASTM D 790    |
| Rockwell Hardness             | R 118 | -    | ASTM D 785    |
| Izod Impact notched, 1/8 in   | 480   | J/m  | ASTM D 256    |
| Izod Impact unnotched, 1/8 in | N     | J/m  | ASTM D 256    |

| Thermal properties | Value | Unit | Test Standard |
|--------------------|-------|------|---------------|
| <b>ASTM Data</b>   |       |      |               |
| UL 94 Flame rating | HB    | -    | UL 94         |
| Thickness tested   | 1.6   | mm   | -             |
| DTUL @ 66 psi      | 125   | °C   | ASTM D 648    |
| DTUL @ 264 psi     | 105   | °C   | ASTM D 648    |

| Electrical properties           | Value | Unit   | Test Standard |
|---------------------------------|-------|--------|---------------|
| <b>ASTM Data</b>                |       |        |               |
| Dielectric Strength, Short Time | 35    | kV/mm  | ASTM D 149    |
| Surface Resistivity             | 1E13  | Ohm    | ASTM D 257    |
| Volume Resistivity              | 1E12  | Ohm*cm | ASTM D 257    |

| Other properties       | Value | Unit              | Test Standard |
|------------------------|-------|-------------------|---------------|
| Water Absorption, 24hr | 0.3   | %                 | ASTM D 570    |
| Density                | 1130  | kg/m <sup>3</sup> | ASTM D 792    |

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Special Characteristics**

High impact or impact modified, U.V. stabilized or stable to weather

**Applications**

Automotive, Electrical and Electronical

**Regional Availability**

Asia Pacific