

## Component - Plastics

E314830

## Guide Information

## View Certificate of Compliance

## FOSHAN SHUNDE KINGDE ENGINEERING PLASTICS CO LTD

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## KF-6330

Polyamide 6 (PA6), furnished as pellets

| <u>Color</u> | <u>Min. Thk</u><br>(mm) | <u>Flame</u><br><u>Class</u> | <u>HWI</u> | <u>HAI</u> | <u>RTI Elec</u><br>(°C) | <u>RTI Imp</u><br>(°C) | <u>RTI Str</u><br>(°C) |
|--------------|-------------------------|------------------------------|------------|------------|-------------------------|------------------------|------------------------|
| NC, BK       | 0.75                    | V-0                          | 2          | 0          | 65                      | 65                     | 65                     |
|              | 3.0                     | V-0                          | 0          | 0          | 65                      | 65                     | 65                     |

Comparative Tracking Index (CTI): -

Dielectric Strength (kV/mm): -

High-Voltage Arc Tracking Rate (HVTR): -

Dimensional Change (%): -

Inclined Plane Tracking (IPT) kV: -

Volume Resistivity (10<sup>x</sup> ohm-cm): -Surface Resistivity (10<sup>x</sup> ohms/square): -

High Volt, Low Current Arc Resis (D495): -

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

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## IEC and ISO Test Methods

| Test Name                          | Test Method     | Units                 | Thk (mm) | Value        |
|------------------------------------|-----------------|-----------------------|----------|--------------|
| Flammability                       | IEC 60695-11-10 | Class (color)         | 0.75     | V-0 (NC, BK) |
|                                    |                 |                       | 3.0      | V-0 (NC, BK) |
| Glow-Wire Flammability (GWFI)      | IEC 60695-2-12  | °C                    | -        | -            |
| Glow-Wire Ignition (GWIT)          | IEC 60695-2-13  | °C                    | -        | -            |
| IEC Comparative Tracking Index     | IEC 60112       | Volts (Max)           | -        | -            |
| IEC AC Dielectric Strength (AC DS) | IEC 60243-1     | kV/mm                 | -        | -            |
| IEC DC Dielectric Strength (DC DS) | IEC 60243-2     | kV/mm                 | -        | -            |
| IEC Volume Resistivity (VR)        | IEC 62631-3-1   | 10 <sup>x</sup> ohm-m | -        | -            |
| IEC Surface Resistivity (SR)       | IEC 62631-3-2   | 10 <sup>x</sup> ohms  | -        | -            |
| IEC Inclined Plane Tracking (IPT)  | IEC 60587       | kV                    | -        | -            |
| IEC Ball Pressure                  | IEC 60695-10-2  | °C                    | -        | -            |
| ISO Heat Deflection (1.80 MPa)     | ISO 75-2        | °C                    | -        | -            |
| ISO Tensile Strength               | ISO 527-2       | MPa                   | -        | -            |
| ISO Flexural Strength              | ISO 178         | MPa                   | -        | -            |
| ISO Tensile Impact                 | ISO 8256        | kJ/m <sup>2</sup>     | -        | -            |
| ISO Izod Impact                    | ISO 180         | kJ/m <sup>2</sup>     | -        | -            |
| ISO Charpy Impact                  | ISO 179-1       | kJ/m <sup>2</sup>     | -        | -            |