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Component - Plastics **E107536**

## SHINKONG SYNTHETIC FIBERS CORP

223 YEN PING RD SEC 3, PIN CHENG TAOYUAN HSIEN 324 TW

# D201G30

**Polybutylene Terephthalate (PBT), glass reinforced, furnished as pellets**

| Color | Min Thk (mm) | Flame Class | HWI | HAI | RTI Elec | RTI Imp | RTI Str |
|---|---|---|---|---|---|---|---|
| ALL | 0.71 | HB | 4 | 0 | 140 | 120 | 140 |
| | 1.5 | HB | 2 | 0 | 140 | 130 | 140 |
| | 3.0 | HB | 1 | 1 | 140 | 130 | 140 |

Comparative Tracking Index (CTI): **1**

Inclined Plane Tracking (IPT): **-**

Dielectric Strength (kV/mm): **20**

Volume Resistivity ($10^x$ ohm-cm) : **12**

High-Voltage Arc Tracking Rate (HVTR): **0**

High Volt, Low Current Arc Resis (D495): **5**

Dimensional Stability (%): 0

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.

Report Date: 1987-07-13

Last Revised: 2013-10-04

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# IEC and ISO Test Methods

| Test Name | Test Method | Units | Thickness Tested (mm) | Value |
|---|---|---|---|---|
| Flammability | IEC 60695-11-10 | Class (color) | 0.71 | HB75 (ALL) |
| | | | 1.5 | HB75 (ALL) |
| | | | 3.0 | HB40 (ALL) |
| 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 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 | $kJ/m^2$ | - | - |
| ISO Izod Impact | ISO 180 | $kJ/m^2$ | - | - |
| ISO Charpy Impact | ISO 179-2 | $kJ/m^2$ | - | - |

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The materials covered in this database are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. THE FINAL ACCEPTANCE OF THE COMPONENT IS DEPENDENT UPON ITS INSTALLATION AND USE IN COMPLETE PRODUCTS SUBMITTED TO UNDERWRITERS LABORATORIES.

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