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The information presented on the UL Prospector datasheet was acquired by UL Prospector from the producer of the material. UL Prospector makes substantial efforts to assure the accuracy of this data. However, UL Prospector assumes no responsibility for the data values and strongly encourages that upon final material selection, data points are validated with the material supplier.

View additional material information including performance and processing data

Component - Plastics

Guide Information

E230779

QINGDAO HAIER NEW MATERIAL R & D CO LTD

HAIER INTERNATIONAL ZONE, JIAOZHOU, QINGDAO SHANDONG 266300 CN

FR-6003GX

Polyamide 6 (PA6)

<u>Color</u>	<u>Min. Thk (mm)</u>	<u>Flame Class</u>	<u>HWI</u>	<u>HAI</u>	<u>RTI Elec</u>	<u>RTI Imp</u>	<u>RTI Str</u>
ALL	0.8	V-0	-	-	65	65	65
	3.0	V-0, 5VA	-	-	65	65	65

- Comparative Tracking Index (CTI): -
- Dielectric Strength (kV/mm): -
- High-Voltage Arc Tracking Rate (HVTR): -
- Dimensional Stability (%): -
- Inclined Plane Tracking (IPT) kV: -
- Volume Resistivity (10^x ohm-cm): -
- Surface Resistivity (10^x ohm-cm): -
- High Volt, Low Current Arc Resis (D495): -

X - Replaced by two digits from 05 to 50 which indicates glass fiber content from 5% to 50%

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, IEC 60695-11-20	Class (color)	0.8	V-0 (ALL)
			3.0	V-0, 5VA (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	-	-