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Component - Plastics E235269

Guide Information

# NAN YA PLASTICS (HUI ZHOU) CORP LTD

YONGSHI DA DAO, SHI WAN TOWN, HUIZHOU GUANGDONG 516000 CN

### 640PG3(f1)

Polyamide 66 (PA66), with glass fiber reinforced, furnished as pellets

	Min. Thk	<u>Flame</u>			<u>RTI</u>	<u>R11</u>	RII
<u>Color</u>	<u>(mm)</u>	Class	<u>HWI</u>	<u>HAI</u>	Elec	<u>Imp</u>	Str
ALL	0.75	V-0	0	0	140	95	115
	3.0	V-0	0	0	140	120	140

Inclined Plane Tracking (IPT) kV: -Comparative Tracking Index (CTI): 1 Dielectric Strength (kV/mm): -Volume Resistivity (10<sup>x</sup> ohm-cm): -

High-Voltage Arc Tracking Rate (HVTR): 2 Surface Resistivity (10x ohms/square): -Dimensional Stability (%): -High Volt, Low Current Arc Resis (D495): 6

(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

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: 2012-03-15 Last Revised: 2020-11-12



IEC and ISO Test Methods				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.75	V-0 (ALL)
			3.0	V-0 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	-	-
EC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	°C	-	-
SO Heat Deflection (1.80 MPa)	ISO 75-2	°C	-	-
SO Tensile Strength	ISO 527-2	MPa	-	-
SO Flexural Strength	ISO 178	MPa	-	-
SO 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>	-	-

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Component - Plastics E235269

Guide Information

# NAN YA PLASTICS (HUI ZHOU) CORP LTD

YONGSHI DA DAO, SHI WAN TOWN, HUIZHOU GUANGDONG 516000 CN

### 640PG4(f1)

Polyamide 66 (PA66), with glass fiber reinforced, furnished as pellets

	Min. Thk	Flame			RTI	<u>RTI</u>	RTI
Color	<u>(mm)</u>	Class	<u>HWI</u>	<u>HAI</u>	Elec	<u>Imp</u>	Str
ALL	0.75	V-0	0	0	140	95	110
	3.0	V-0	0	0	140	120	130

Comparative Tracking Index (CTI): 1 Inclined Plane Tracking (IPT) kV: -Dielectric Strength (kV/mm): -Volume Resistivity (10<sup>x</sup> ohm-cm): -

High-Voltage Arc Tracking Rate (HVTR): 2 Surface Resistivity (10x ohms/square): -Dimensional Stability (%): -High Volt, Low Current Arc Resis (D495): 6

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Report Date: 2012-03-15 Last Revised: 2020-11-12 © 2020 UL LLC



IEC and ISO Test Methods				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.75	V-0 (ALL)
			3.0	V-0 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	-	-
EC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
EC Ball Pressure	IEC 60695-10-2	°C	-	-
SO Heat Deflection (1.80 MPa)	ISO 75-2	°C	-	-
SO Tensile Strength	ISO 527-2	MPa	-	-
SO Flexural Strength	ISO 178	MPa	-	-
SO Tensile Impact	ISO 8256	kJ/m <sup>2</sup>	-	-
SO Izod Impact	ISO 180	kJ/m <sup>2</sup>	-	-
SO Charpy Impact	ISO 179-1	kJ/m <sup>2</sup>	-	-

<sup>(</sup>f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

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Component - Plastics E235269

Guide Information

## NAN YA PLASTICS (HUI ZHOU) CORP LTD

YONGSHI DA DAO, SHI WAN TOWN, HUIZHOU GUANGDONG 516000 CN

Polyamide 66 (PA66), with glass fiber reinforced, furnished as pellets

	Min. Thk	<u>Flame</u>			RTI	RTI	RTI
Color	<u>(mm)</u>	Class	<u>HWI</u>	<u>HAI</u>	Elec	<u>lmp</u>	Str
ALL	0.75	V-0	0	0	140	95	110
	3.0	V-0	0	0	140	120	130

Comparative Tracking Index (CTI): 0 Dielectric Strength (kV/mm): -

High-Voltage Arc Tracking Rate (HVTR): 2 Dimensional Stability (%): -

Inclined Plane Tracking (IPT) kV: -

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

Surface Resistivity (10x ohms/square): -

High Volt, Low Current Arc Resis (D495): 6

(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

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Flammability	IEC 60695-11-10	Class (color)	0.75	V-0 (ALL)
			3.0	V-0 (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 <sup>2</sup>	-	-
SO Izod Impact	ISO 180	kJ/m <sup>2</sup>	-	-
ISO Charpy Impact	ISO 179-1	kJ/m <sup>2</sup>	-	-

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Polyamide 66 (PA66), with glass fiber reinforced, furnished as pellets

	Min. Thk	Flame			RTI	RTI	RTI
<u>Color</u>	<u>(mm)</u>	Class	<u>HWI</u>	<u>HAI</u>	Elec	Imp	Str
ALL	0.75	V-0	0	0	140	115	110
	3.0	V-0	0	0	140	130	130

Comparative Tracking Index (CTI): 0

Dielectric Strength (kV/mm): -

High-Voltage Arc Tracking Rate (HVTR): 2

Dimensional Stability (%): -

Inclined Plane Tracking (IPT) kV: -

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

Surface Resistivity (10x ohms/square): -

High Volt, Low Current Arc Resis (D495): 6

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Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.75	V-0 (ALL)
			3.0	V-0 (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 <sup>2</sup>	-	-
ISO Izod Impact	ISO 180	kJ/m <sup>2</sup>	-	-
ISO Charpy Impact	ISO 179-1	kJ/m <sup>2</sup>	-	-

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Polyamide 66 (PA66), furnished as pellets

	Min. Thk	<u>Flame</u>			<u>RTI</u>	RTI	RTI
<u>Color</u>	<u>(mm)</u>	Class	<u>HWI</u>	<u>HAI</u>	Elec	<u>lmp</u>	Str
ALL	0.75	V-0	0	0	130	115	120
	1.5	V-0, 5VA	0	0	130	115	120
	3.0	V-0, 5VA	0	0	130	115	120

Comparative Tracking Index (CTI): 2 Dielectric Strength (kV/mm): 17

High-Voltage Arc Tracking Rate (HVTR): 1 Dimensional Stability (%): 0 Inclined Plane Tracking (IPT) kV: -

Volume Resistivity (10x ohm-cm): 14 Surface Resistivity (10x ohms/square): -

High Volt, Low Current Arc Resis (D495): 6

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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)	0.75	V-0 (ALL)
			1.5	V-0, 5VA (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	-	-
EC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
EC Ball Pressure	IEC 60695-10-2	°C	-	-
SO Heat Deflection (1.80 MPa)	ISO 75-2	°C	-	-
SO Tensile Strength	ISO 527-2	MPa	-	-
SO Flexural Strength	ISO 178	MPa	-	-
SO Tensile Impact	ISO 8256	kJ/m <sup>2</sup>	-	-
SO Izod Impact	ISO 180	kJ/m <sup>2</sup>	-	-
SO Charpy Impact	ISO 179-1	kJ/m <sup>2</sup>	-	-