

UL Certification

INFINO	Grade	HN-1074
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Component - Plastics [\[guide info\]](#) E115797

Lotte Advanced Materials Co Ltd
56 Gosan-ro, Uiwang-si Gyeonggi-do 437-711 KR

HN-1074(+)
Polycarbonate (PC), "INFINO", furnished as pellets

Color	Min Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.75	V-2	4	4	80	80	80
	1.0	V-2	-	-	80	80	80
	1.2	V-1	4	4	80	80	80
	1.5	V-0	3	3	130	130	130
	2.0	V-0, 5VB	2	0	130	130	130
	2.5	V-0, 5VB	-	-	130	130	130
	3.0	V-0, 5VB	-	-	130	130	130
	3.2	V-0, 5VB	-	-	130	130	130


Comparative Tracking Index (CTI): -
Dielectric Strength (kV/mm): 15.22
High-Voltage Arc Tracking Rate (HVTR): 2
Dimensional Stability (%): -

Inclined Plane Tracking (IPT): -
Volume Resistivity (10⁴ ohm-cm): 15
High Volt, Low Current Arc Resis (D495): 5

(+) - May be replaced by one, two, or three numbers and/or letter(s)

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: 2014-09-12
Last Revised: 2015-09-16

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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-2 (ALL)
			1.0	V-2 (ALL)
			1.2	V-1 (ALL)
			1.5	V-0 (ALL)
			2.0	V-0, 5VB (ALL)
			2.5	V-0, 5VB (ALL)
			3.0	V-0, 5VB (ALL)
			3.2	V-0, 5VB (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	C	3.2	960
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	C	3.2	825
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	C	3.0	130
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	-	-