

**INFINO NH-1015V**

(PC+ABS)

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	30	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
<b>ASTM Data</b>			
Melt Flow Index, MFI	30	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	2500	MPa	ISO 527
Yield stress	61	MPa	ISO 527
Stress at break	48	MPa	ISO 527
Strain at break	45	%	ISO 527
Flexural modulus, 23°C	2550	MPa	ISO 178
Flexural strength	89	MPa	ISO 178
Charpy notched impact strength, +23°C	17	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	14	kJ/m <sup>2</sup>	ISO 180/1A
Rockwell hardness	R 118	-	ISO 2039-2
<b>ASTM Data</b>			
Tensile Strength at Yield	64	MPa	ASTM D 638
Flexural Modulus	2400	MPa	ASTM D 790
Flexural Strength	87	MPa	ASTM D 790
Rockwell Hardness	R 118	-	ASTM D 785
Izod Impact notched, 1/8 in	540	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	82	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	94	°C	ISO 75-1/-2
Vicat softening temperature, B	100	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behav. 5V at thickness h	5VB	class	IEC 60695-11-20
Thickness tested	2.0	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 264 psi	86	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1170	kg/m <sup>3</sup>	ISO 1183
Density	1170	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	260	°C	-
Mold temperature	50 - 70	°C	-
Zone 1	220 - 230	°C	-
Zone 2	240 - 250	°C	-
Zone 3	260 - 270	°C	-
Nozzle temperature	270	°C	-
Screw speed	50 - 150	rpm	-

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Injection pressure	<b>98</b>	MPa	-
Back pressure	<b>0.5 - 2</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Applications**

IT / Business Machine

**Delivery form**

Pellets, Natural Color

**Regional Availability**

North America, Europe, Asia Pacific