

**INFINO NH-1159**

(PC+ABS)

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>34</b>	g/10min	ASTM D 1238
Temperature	<b>220</b>	°C	-
Load	<b>10</b>	kg	-
Mold Shrinkage, MD	<b>0.003</b>	mm/mm	ASTM D 955
Mold Shrinkage, TD	<b>0.003</b>	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	<b>3300</b>	MPa	ASTM D 638
Tensile Strength at Yield	<b>63</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>63</b>	MPa	ASTM D 638
Elongation at Break	<b>6</b>	%	ASTM D 638
Flexural Modulus	<b>3900</b>	MPa	ASTM D 790
Flexural Strength	<b>92</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 110</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>49</b>	J/m	ASTM D 256
Izod Impact notched, 1/4 in	<b>49</b>	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Vicat softening temperature, B	<b>98</b>	°C	ISO 306
Burning behav. at thickness h	<b>V-0</b>	class	IEC 60695-11-10
Thickness tested	<b>1.2</b>	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	<b>V-0</b>	-	UL 94
Thickness tested	<b>1.2</b>	mm	-
DTUL @ 66 psi	<b>90</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>85</b>	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	<b>1290</b>	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>80</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Processing humidity	<b>≤0.02</b>	%	-
Melt temperature	<b>270</b>	°C	-
Mold temperature	<b>60 - 80</b>	°C	-
Zone 1	<b>250 - 270</b>	°C	-
Zone 2	<b>250 - 270</b>	°C	-
Zone 3	<b>270 - 290</b>	°C	-
Nozzle temperature	<b>280</b>	°C	-
Screw speed	<b>50 - 200</b>	rpm	-
Injection pressure	<b>98</b>	MPa	-
Back pressure	<b>1 - 2.9</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets, Natural Color

**Applications**

IT / Business Machine

**Regional Availability**

North America, Europe, Asia Pacific