

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	19	g/10min	ISO 1133
Temperature	250	°C	-
Load	10	kg	-
ASTM Data			
Melt Flow Index, MFI	20	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.004	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2400	MPa	ISO 527
Yield stress	57	MPa	ISO 527
Stress at break	46	MPa	ISO 527
Strain at break	15	%	ISO 527
Flexural modulus, 23°C	2600	MPa	ISO 178
Flexural strength	88	MPa	ISO 178
Charpy notched impact strength, +23°C	10	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	8.9	kJ/m ²	ISO 180/1A
Rockwell hardness	R 120	-	ISO 2039-2
ASTM Data			
Tensile Modulus	2200	MPa	ASTM D 638
Tensile Strength at Yield	56	MPa	ASTM D 638
Tensile Strength at Break	47	MPa	ASTM D 638
Elongation at Break	47	%	ASTM D 638
Flexural Modulus	2500	MPa	ASTM D 790
Flexural Strength	88	MPa	ASTM D 790
Rockwell Hardness	R 89	-	ASTM D 785
Izod Impact notched, 1/8 in	84.6	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	127	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	140	°C	ISO 75-1/-2
Vicat softening temperature, B	145	°C	ISO 306
Burning behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	0.8	mm	-
DTUL @ 66 psi	142	°C	ASTM D 648
DTUL @ 264 psi	131	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1250	kg/m ³	ISO 1183
Density	1260	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	260	°C	-
Mold temperature	70 - 100	°C	-
Zone 1	260	°C	-
Zone 2	260	°C	-
Zone 3	270	°C	-

INFINO SI-3109GL

PC-GF

Lotte Chemical Corporation

Nozzle temperature	270	°C	-
Screw speed	50 - 150	rpm	-
Injection pressure	93	MPa	-
Back pressure	0.5 - 2	MPa	-

Characteristics**Processing**

Injection Molding

Applications

Electrical and Electronical

Delivery form

Pellets, Natural Color

Regional Availability

North America, Europe, Asia Pacific