

INFINO HM-3301GL

PC-GF

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	5.4	g/10min	ISO 1133
Temperature	250	°C	-
Load	10	kg	-
ASTM Data			
Melt Flow Index, MFI	7	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Modulus	7200	MPa	ISO 527
Yield stress	115	MPa	ISO 527
Stress at break	115	MPa	ISO 527
Strain at break	2.7	%	ISO 527
Flexural modulus, 23°C	7900	MPa	ISO 178
Flexural strength	153	MPa	ISO 178
Charpy notched impact strength, +23°C	11	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 119	-	ISO 2039-2
ASTM Data			
Tensile Strength at Yield	130	MPa	ASTM D 638
Flexural Modulus	7700	MPa	ASTM D 790
Flexural Strength	200	MPa	ASTM D 790
Rockwell Hardness	R 93	-	ASTM D 785
Izod Impact notched, 1/8 in	140	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	142	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	146	°C	ISO 75-1/-2
Vicat softening temperature, B	150	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	V-1	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
ASTM Data			
UL 94 Flame rating	V-1	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 264 psi	143	°C	ASTM D 648
Electrical properties			
ASTM Data			
Dissipation Factor, 1 MHz	0.009	-	ASTM D 150
Dielectric Constant, 1 MHz	3.3	-	ASTM D 150
Other properties			
Density	1390	kg/m ³	ISO 1183
Density	1410	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.05	%	-
Melt temperature	280	°C	-
Mold temperature	60 - 100	°C	-
Zone 1	240 - 250	°C	-

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Zone 2	260 - 270	°C	-
Zone 3	280 - 290	°C	-
Nozzle temperature	290	°C	-
Screw speed	50 - 150	rpm	-
Back pressure	0.5 - 2	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Delivery form

Pellets, Natural Color