

INFINO NM-1209

(PC+ABS)

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	12	g/10min	ISO 1133
Temperature	250	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.1	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	12	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.0015	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0015	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Modulus	2500	MPa	ISO 527
Yield stress	50	MPa	ISO 527
Stress at break	50	MPa	ISO 527
Strain at break	4	%	ISO 527
Flexural modulus, 23°C	4500	MPa	ISO 178
Flexural strength	80	MPa	ISO 178
Charpy notched impact strength, +23°C	3	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	3.5	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	2900	MPa	ASTM D 638
Tensile Strength at Yield	49	MPa	ASTM D 638
Tensile Strength at Break	49	MPa	ASTM D 638
Elongation at Break	4	%	ASTM D 638
Flexural Modulus	4400	MPa	ASTM D 790
Flexural Strength	78	MPa	ASTM D 790
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	79	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-1	class	IEC 60695-11-10
Thickness tested	1.4	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	1.4	mm	-
DTUL @ 264 psi	81	°C	ASTM D 648
Other properties			
Density	1350	kg/m ³	ISO 1183
Density	1350	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	260	°C	-
Mold temperature	50 - 80	°C	-
Zone 1	240 - 250	°C	-
Zone 2	250 - 260	°C	-
Zone 3	260 - 270	°C	-
Nozzle temperature	250 - 260	°C	-

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Screw speed	40 - 70	rpm	-
Back pressure	1 - 3.9	MPa	-

Characteristics**Processing**

Injection Molding

Applications

IT / Business Machine

Delivery form

Pellets, Natural Color

Regional Availability

North America, Europe, Asia Pacific