

INFINO NH-1017D

(PC+ABS)

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	46	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
ASTM Data			
Melt Flow Index, MFI	46	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Mechanical properties			
ISO Data			
Tensile Modulus	2400	MPa	ISO 527
Yield stress	60	MPa	ISO 527
Stress at break	47	MPa	ISO 527
Strain at break	33	%	ISO 527
Flexural modulus, 23°C	2500	MPa	ISO 178
Flexural strength	90	MPa	ISO 178
Charpy notched impact strength, +23°C	15	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	14	kJ/m ²	ISO 180/1A
Rockwell hardness	R 118	-	ISO 2039-2
ASTM Data			
Tensile Strength at Yield	59	MPa	ASTM D 638
Flexural Modulus	2400	MPa	ASTM D 790
Flexural Strength	83	MPa	ASTM D 790
Rockwell Hardness	R 118	-	ASTM D 785
Izod Impact notched, 1/8 in	590	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	82	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	93	°C	ISO 75-1/-2
Vicat softening temperature, B	98	°C	ISO 306
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Burning behav. 5V at thickness h	5VB	class	IEC 60695-11-20
Thickness tested	2.0	mm	-
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	2	mm	-
Other properties			
Density	1190	kg/m ³	ISO 1183
Density	1190	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4 - 6	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	-
Injection pressure	98	MPa	-
Back pressure	0.5 - 2	MPa	-

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Characteristics

Processing

Injection Molding

Delivery form

Pellets, Natural Color

Special Characteristics

Flame retardant

Applications

Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific