

INFINO UF-1013

PC

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	18	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
ASTM Data			
Melt Flow Index, MFI	18	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Mechanical properties			
ISO Data			
Tensile Modulus	2200	MPa	ISO 527
Yield stress	60	MPa	ISO 527
Stress at break	55	MPa	ISO 527
Strain at break	87	%	ISO 527
Flexural modulus, 23°C	2300	MPa	ISO 178
Flexural strength	90	MPa	ISO 178
Charpy notched impact strength, +23°C	30	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	80	kJ/m ²	ISO 180/1A
Rockwell hardness	R 119	-	ISO 2039-2
ASTM Data			
Tensile Modulus	2200	MPa	ASTM D 638
Tensile Strength at Yield	64	MPa	ASTM D 638
Tensile Strength at Break	57	MPa	ASTM D 638
Elongation at Break	83	%	ASTM D 638
Flexural Modulus	2300	MPa	ASTM D 790
Flexural Strength	89	MPa	ASTM D 790
Rockwell Hardness	R 119	-	ASTM D 785
Izod Impact notched, 1/8 in	790	J/m	ASTM D 256
Izod Impact unnotched, 1/4 in	620	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	89	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	100	°C	ISO 75-1/-2
Vicat softening temperature, B	108	°C	ISO 306
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.8	mm	-
DTUL @ 66 psi	103	°C	ASTM D 648
DTUL @ 264 psi	95	°C	ASTM D 648
Other properties			
Value			
Density	1200	kg/m ³	ISO 1183
Density	1200	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Value			
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 6	h	-
Processing humidity	≤0.05	%	-
Melt temperature	280	°C	-
Mold temperature	40 - 120	°C	-
Zone 1	220 - 230	°C	-
Zone 2	240 - 280	°C	-
Zone 3	260 - 300	°C	-

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Nozzle temperature	280	°C	-
Screw speed	50 - 150	rpm	-
Back pressure	0.5 - 2	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Natural Color

Applications

Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific