

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	22	g/10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6	%	ISO 294-4, 2577
<b>ASTM Data</b>			
Melt Flow Index, MFI	22	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.006	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ISO Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Tensile Modulus	2300	MPa	ISO 527
Yield stress	64	MPa	ISO 527
Stress at break	64	MPa	ISO 527
Strain at break	110	%	ISO 527
Flexural modulus, 23°C	2300	MPa	ISO 178
Flexural strength	92	MPa	ISO 178
Charpy notched impact strength, +23°C	60	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	65	kJ/m <sup>2</sup>	ISO 180/1A
Rockwell hardness	R 120	-	ISO 2039-2
<b>ASTM Data</b>			
Tensile Modulus	2300	MPa	ASTM D 638
Tensile Strength at Yield	63	MPa	ASTM D 638
Tensile Strength at Break	63	MPa	ASTM D 638
Elongation at Break	110	%	ASTM D 638
Flexural Modulus	2300	MPa	ASTM D 790
Flexural Strength	90	MPa	ASTM D 790
Rockwell Hardness	R 120	-	ASTM D 785
Izod Impact notched, 1/8 in	740	J/m	ASTM D 256
Izod Impact notched, 1/4 in	98	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ISO Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Temp. of deflection under load, 1.80 MPa	123	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	136	°C	ISO 75-1/-2
Vicat softening temperature, B	145	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	V-2	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
<b>ASTM Data</b>			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	0.75	mm	-
DTUL @ 66 psi	136	°C	ASTM D 648
DTUL @ 264 psi	125	°C	ASTM D 648
<b>Electrical properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Dielectric Constant, 1 MHz	2.9	-	ASTM D 150
<b>Optical properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Haze	0.2	%	ASTM D 1003

**INFINO SC-1220UR**

PC

Lotte Chemical Corporation

Light Transmittance	<b>90</b>	%	ASTM D 1003
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<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1200</b>	kg/m <sup>3</sup>	ISO 1183
Density	<b>1200</b>	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>80</b>	°C	-
Pre-drying - Time	<b>4 - 6</b>	h	-
Processing humidity	<b>≤0.04</b>	%	-
Melt temperature	<b>280</b>	°C	-
Mold temperature	<b>80 - 110</b>	°C	-
Nozzle temperature	<b>280</b>	°C	-
Screw speed	<b>30 - 50</b>	rpm	-
Injection pressure	<b>98</b>	MPa	-
Back pressure	<b>1 - 2</b>	MPa	-

**Characteristics****Processing**

Injection Molding, Other Extrusion

**Delivery form**

Pellets, Natural Color

**Special Characteristics**

Transparent

**Applications**

Electrical and Electronical

**Regional Availability**

North America, Europe, Asia Pacific