

INFINO LS-3302A

PC-GF

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	25	g/10min	ISO 1133
Temperature	250	°C	-
Load	10	kg	-
ASTM Data			
Melt Flow Index, MFI	25	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	10	kg	-
Mechanical properties			
ISO Data			
Tensile Modulus	5700	MPa	ISO 527
Yield stress	100	MPa	ISO 527
Stress at break	106	MPa	ISO 527
Strain at break	3	%	ISO 527
Flexural modulus, 23°C	5900	MPa	ISO 178
Flexural strength	140	MPa	ISO 178
Charpy notched impact strength, +23°C	16	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	12	kJ/m ²	ISO 180/1A
Rockwell hardness	R 119	-	ISO 2039-2
ASTM Data			
Tensile Strength at Yield	98	MPa	ASTM D 638
Flexural Modulus	5800	MPa	ASTM D 790
Flexural Strength	140	MPa	ASTM D 790
Izod Impact notched, 1/8 in	150	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	140	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	145	°C	ISO 75-1/-2
Vicat softening temperature, B	148	°C	ISO 306
ASTM Data			
DTUL @ 264 psi	140	°C	ASTM D 648
Other properties			
Density	1410	kg/m ³	ISO 1183
Density	1410	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.05	%	-
Melt temperature	280	°C	-
Mold temperature	80 - 120	°C	-
Zone 1	250 - 260	°C	-
Zone 2	270 - 280	°C	-
Zone 3	290	°C	-
Nozzle temperature	290	°C	-
Screw speed	50 - 150	rpm	-
Injection pressure	98	MPa	-
Back pressure	0.5 - 2	MPa	-

Characteristics

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Processing

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Delivery form

Pellets, Natural Color