

INFINO CF-3200HF

PC-GF

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	23	g/10min	ISO 1133
Temperature	250	°C	-
Load	10	kg	-
ASTM Data			
Melt Flow Index, MFI	23	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.0035	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0035	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Modulus	5700	MPa	ISO 527
Yield stress	100	MPa	ISO 527
Stress at break	200	MPa	ISO 527
Strain at break	4.3	%	ISO 527
Flexural modulus, 23°C	6000	MPa	ISO 178
Flexural strength	170	MPa	ISO 178
Charpy notched impact strength, +23°C	25	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	19	kJ/m ²	ISO 180/1A
Rockwell hardness	R 116	-	ISO 2039-2
ASTM Data			
Tensile Modulus	5300	MPa	ASTM D 638
Tensile Strength at Yield	98	MPa	ASTM D 638
Tensile Strength at Break	98	MPa	ASTM D 638
Elongation at Break	4.3	%	ASTM D 638
Flexural Modulus	5500	MPa	ASTM D 790
Flexural Strength	140	MPa	ASTM D 790
Rockwell Hardness	R 116	-	ASTM D 785
Izod Impact notched, 1/8 in	190	J/m	ASTM D 256
Izod Impact notched, 1/4 in	200	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	139	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	144	°C	ISO 75-1/-2
Vicat softening temperature, B	148	°C	ISO 306
Burning behav. at thickness h	V-2	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	0.8	mm	-
DTUL @ 66 psi	145	°C	ASTM D 648
DTUL @ 264 psi	141	°C	ASTM D 648
Other properties			
Water absorption	0.15	%	Sim. to ISO 62
Density	1330	kg/m ³	ISO 1183
Water Absorption, Equilibrium	0.15	%	ASTM D 570
Density	1330	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.1	%	-
Melt temperature	300	°C	-

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Mold temperature	80 - 120	°C	-
Zone 1	270	°C	-
Zone 2	280 - 290	°C	-
Zone 3	300	°C	-
Nozzle temperature	300	°C	-
Screw speed	40 - 80	rpm	-
Injection pressure	98	MPa	-
Back pressure	1 - 2.9	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Delivery form

Pellets, Natural Color