

INFINO GP-3200G

(PBT+ABS)-GF20

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	33	g/10min	ISO 1133
Temperature	250	°C	-
Load	5	kg	-
ASTM Data			
Melt Flow Index, MFI	33	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.0065	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	5000	MPa	ISO 527
Yield stress	91	MPa	ISO 527
Stress at break	90	MPa	ISO 527
Strain at break	3.6	%	ISO 527
Flexural modulus, 23°C	5000	MPa	ISO 178
Flexural strength	130	MPa	ISO 178
Charpy notched impact strength, +23°C	8.3	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	7.5	kJ/m ²	ISO 180/1A
Rockwell hardness	R 110	-	ISO 2039-2
ASTM Data			
Tensile Modulus	4900	MPa	ASTM D 638
Tensile Strength at Yield	78	MPa	ASTM D 638
Tensile Strength at Break	78	MPa	ASTM D 638
Elongation at Break	3.2	%	ASTM D 638
Flexural Modulus	4900	MPa	ASTM D 790
Flexural Strength	120	MPa	ASTM D 790
Rockwell Hardness	R 112	-	ASTM D 785

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	127	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	198	°C	ISO 75-1/-2
Vicat softening temperature, B	133	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 66 psi	205	°C	ASTM D 648
DTUL @ 264 psi	145	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1320	kg/m ³	ISO 1183
Water Absorption, Equilibrium	0.08	%	ASTM D 570
Density	1320	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.05	%	-
Melt temperature	250	°C	-
Mold temperature	60 - 120	°C	-
Zone 1	210 - 220	°C	-

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Zone 2	225 - 230	°C	-
Zone 3	240 - 250	°C	-
Nozzle temperature	250	°C	-
Screw speed	50 - 150	rpm	-
Injection pressure	49 - 250	MPa	-
Back pressure	0.5 - 2	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Delivery form

Pellets, Natural Color