

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	7	g/10min	ISO 1133
Temperature	280	°C	-
Load	10	kg	-
Molding shrinkage, parallel	0.4	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	7	g/10min	ASTM D 1238
Temperature	280	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.0042	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0047	mm/mm	ASTM D 955
Mechanical properties			
ISO Data	Value	Unit	Test Standard
Tensile Modulus	5500	MPa	ISO 527
Yield stress	120	MPa	ISO 527
Stress at break	120	MPa	ISO 527
Strain at break	3	%	ISO 527
Flexural modulus, 23°C	5900	MPa	ISO 178
Flexural strength	170	MPa	ISO 178
Charpy notched impact strength, +23°C	13	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	13	kJ/m ²	ISO 180/1A
Rockwell hardness	R 121	-	ISO 2039-2
ASTM Data			
Tensile Modulus	4900	MPa	ASTM D 638
Tensile Strength at Yield	110	MPa	ASTM D 638
Tensile Strength at Break	110	MPa	ASTM D 638
Elongation at Break	4	%	ASTM D 638
Flexural Modulus	5900	MPa	ASTM D 790
Flexural Strength	150	MPa	ASTM D 790
Rockwell Hardness	R 118	-	ASTM D 785
Izod Impact notched, 1/8 in	120	J/m	ASTM D 256
Izod Impact notched, 1/4 in	110	J/m	ASTM D 256
Thermal properties			
ISO Data	Value	Unit	Test Standard
Temp. of deflection under load, 1.80 MPa	149	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	155	°C	ISO 75-1/-2
Vicat softening temperature, B	157	°C	ISO 306
ASTM Data			
DTUL @ 66 psi	153	°C	ASTM D 648
DTUL @ 264 psi	140	°C	ASTM D 648
Vicat Temperature	135	°C	ASTM D 1525
Other properties			
Value	Unit	Test Standard	
Density	1190	kg/m ³	ISO 1183
Density	1190	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Value	Unit	Test Standard	
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	310	°C	-
Mold temperature	50 - 100	°C	-
Zone 1	260 - 270	°C	-
Zone 2	280 - 290	°C	-

INFINO GP-8200G

PPE-GF20

Lotte Chemical Corporation

Zone 3	300 - 310	°C	-
Nozzle temperature	310	°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