

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	60	g/10min	ISO 1133
Temperature	250	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	1.6	%	ISO 294-4, 2577
Molding shrinkage, normal	1.9	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	60	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.0165	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0185	mm/mm	ASTM D 955
Mechanical properties			
ISO Data	Value	Unit	Test Standard
Tensile Modulus	2350	MPa	ISO 527
Yield stress	58	MPa	ISO 527
Stress at break	49	MPa	ISO 527
Strain at break	15	%	ISO 527
Flexural modulus, 23°C	2320	MPa	ISO 178
Flexural strength	80	MPa	ISO 178
Charpy notched impact strength, +23°C	3.5	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	3	kJ/m ²	ISO 180/1A
Rockwell hardness	R 116	-	ISO 2039-2
ASTM Data			
Tensile Modulus	2300	MPa	ASTM D 638
Tensile Strength at Yield	54	MPa	ASTM D 638
Tensile Strength at Break	44	MPa	ASTM D 638
Elongation at Break	50	%	ASTM D 638
Flexural Modulus	2600	MPa	ASTM D 790
Flexural Strength	83	MPa	ASTM D 790
Rockwell Hardness	R 116	-	ASTM D 785
Thermal properties			
ISO Data	Value	Unit	Test Standard
Temp. of deflection under load, 1.80 MPa	57	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	160	°C	ISO 75-1/-2
Vicat softening temperature, B	185	°C	ISO 306
ASTM Data			
DTUL @ 66 psi	165	°C	ASTM D 648
Vicat Temperature	185	°C	ASTM D 1525
Other properties			
Value	Unit	Test Standard	
Water absorption	0.4	%	Sim. to ISO 62
Density	1310	kg/m ³	ISO 1183
Water Absorption, Equilibrium	0.4	%	ASTM D 570
Density	1310	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Value	Unit	Test Standard	
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.04	%	-
Melt temperature	245	°C	-
Mold temperature	40 - 80	°C	-
Zone 1	230 - 240	°C	-
Zone 2	240 - 250	°C	-
Zone 3	250 - 260	°C	-

INFINO ASF-9810FM

PBT

Lotte Chemical Corporation

Nozzle temperature	260	°C	-
Screw speed	30 - 80	rpm	-
Injection pressure	88	MPa	-
Back pressure	1 - 2	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Natural Color

Applications

Automotive

Regional Availability

North America, Europe, Asia Pacific