

INFINO ASF-9810F

(PBT+PET)-MF

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	55	g/10min	ISO 1133
Temperature	250	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	1.6	%	ISO 294-4, 2577
Molding shrinkage, normal	1.8	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	55	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	0.0175	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Modulus	2350	MPa	ISO 527
Yield stress	58	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	3.7	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	4	kJ/m ²	ISO 180/1A
Rockwell hardness	R 116	-	ISO 2039-2
ASTM Data			
Tensile Modulus	2500	MPa	ASTM D 638
Tensile Strength at Yield	59	MPa	ASTM D 638
Elongation at Break	15	%	ASTM D 638
Flexural Modulus	2500	MPa	ASTM D 790
Flexural Strength	83	MPa	ASTM D 790
Rockwell Hardness	R 116	-	ASTM D 785
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	60	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	130	°C	ISO 75-1/-2
ASTM Data			
DTUL @ 66 psi	165	°C	ASTM D 648
Vicat Temperature	180	°C	ASTM D 1525
Other properties			
Value			
Density	1310	kg/m ³	ISO 1183
Density	1310	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Value			
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	>4	h	-
Processing humidity	≤0.1	%	-
Melt temperature	240	°C	-
Mold temperature	30 - 60	°C	-
Zone 1	210 - 220	°C	-
Zone 2	230 - 240	°C	-
Zone 3	250 - 260	°C	-
Nozzle temperature	260	°C	-
Screw speed	30 - 80	rpm	-
Injection pressure	88	MPa	-
Back pressure	1 - 2	MPa	-

Characteristics**Processing**

Injection Molding

Applications

Automotive

Delivery form

Pellets, Natural Color

Regional Availability

North America, Europe, Asia Pacific