

INFINO AE-2230

(PC+PET)

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	20	g/10min	ISO 1133
Temperature	260	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	20	g/10min	ASTM D 1238
Temperature	260	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.0045	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0045	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Modulus	4000	MPa	ISO 527
Yield stress	55	MPa	ISO 527
Stress at break	61	MPa	ISO 527
Strain at break	7	%	ISO 527
Flexural modulus, 23°C	3900	MPa	ISO 178
Flexural strength	90	MPa	ISO 178
Charpy impact strength, +23°C	78	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	7	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	7	kJ/m ²	ISO 180/1A
Rockwell hardness	R 110	-	ISO 2039-2
ASTM Data			
Tensile Modulus	3700	MPa	ASTM D 638
Tensile Strength at Yield	58	MPa	ASTM D 638
Tensile Strength at Break	58	MPa	ASTM D 638
Elongation at Break	7	%	ASTM D 638
Flexural Modulus	3900	MPa	ASTM D 790
Flexural Strength	77	MPa	ASTM D 790
Rockwell Hardness	R 110	-	ASTM D 785
Izod Impact notched, 1/8 in	69	J/m	ASTM D 256
Izod Impact notched, 1/4 in	69	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	49	J/m	ASTM D 256
Temperature	-30	°C	-
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	110	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	127	°C	ISO 75-1/-2
Vicat softening temperature, B	135	°C	ISO 306
ASTM Data			
DTUL @ 66 psi	120	°C	ASTM D 648
DTUL @ 264 psi	130	°C	ASTM D 648
Vicat Temperature	135	°C	ASTM D 1525
Other properties			
Density	1350	kg/m ³	ISO 1183
Density	1350	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	110	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	270	°C	-

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Mold temperature	60 - 80	°C	-
Zone 1	240 - 250	°C	-
Zone 2	240 - 260	°C	-
Zone 3	250 - 270	°C	-
Nozzle temperature	250 - 270	°C	-
Screw speed	50 - 100	rpm	-
Injection pressure	59	MPa	-
Back pressure	0.5 - 2	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Delivery form

Pellets, Natural Color