

INFINO MR-0130

ABS

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	40	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
ASTM Data			
Melt Flow Index, MFI	40	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.0045	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0045	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	35	MPa	ISO 527
Flexural modulus, 23°C	2100	MPa	ISO 178
Flexural strength	50	MPa	ISO 178
Rockwell hardness	R 108	-	ISO 2039-2
ASTM Data			
Tensile Strength at Yield	40	MPa	ASTM D 638
Flexural Modulus	2200	MPa	ASTM D 790
Flexural Strength	62	MPa	ASTM D 790
Rockwell Hardness	R 109	-	ASTM D 785
Izod Impact notched, 1/4 in	180	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, B	93	°C	ISO 306

Other properties	Value	Unit	Test Standard
Density	1200	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	230	°C	-
Mold temperature	40 - 80	°C	-
Zone 1	160 - 180	°C	-
Zone 2	190 - 200	°C	-
Zone 3	210 - 220	°C	-
Nozzle temperature	230	°C	-
Screw speed	50 - 150	rpm	-
Back pressure	0.5 - 2	MPa	-

Characteristics**Processing**

Injection Molding

Applications

Medical

Delivery form

Pellets, Natural Color

Regional Availability

North America, Europe, Asia Pacific