

INFINO WR-7250HS

(PC+ASA)

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	34	g/10min	ISO 1133
Temperature	250	°C	-
Load	10	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	34	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.005	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2100	MPa	ISO 527
Yield stress	57	MPa	ISO 527
Stress at break	70	MPa	ISO 527
Strain at break	70	%	ISO 527
Flexural modulus, 23°C	2450	MPa	ISO 178
Flexural strength	90	MPa	ISO 178
Charpy notched impact strength, +23°C	55	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	55	kJ/m ²	ISO 180/1A
Rockwell hardness	R 118	-	ISO 2039-2
ASTM Data			
Tensile Modulus	2000	MPa	ASTM D 638
Tensile Strength at Yield	59	MPa	ASTM D 638
Tensile Strength at Break	57	MPa	ASTM D 638
Elongation at Break	110	%	ASTM D 638
Flexural Modulus	2200	MPa	ASTM D 790
Flexural Strength	83	MPa	ASTM D 790
Rockwell Hardness	R 118	-	ASTM D 785
Izod Impact notched, 1/8 in	640	J/m	ASTM D 256
Izod Impact notched, 1/4 in	340	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	150	J/m	ASTM D 256
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	105	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	124	°C	ISO 75-1/-2
Vicat softening temperature, B	129	°C	ISO 306
Coeff. of linear therm. expansion, parallel	75	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	87	E-6/K	ISO 11359-1/-2
ASTM Data			
Coefficient of Thermal Expansion, MD	75	E-6/K	ASTM D 696
Coefficient of Thermal Expansion, TD	87	E-6/K	ASTM D 696
DTUL @ 66 psi	125	°C	ASTM D 648
DTUL @ 264 psi	113	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1160	kg/m ³	ISO 1183
Density	1160	kg/m ³	ASTM D 792

Characteristics

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Processing

Injection Molding

Applications

Automotive

Delivery form

Pellets, Natural Color

Regional Availability

North America, Europe, Asia Pacific