

ISO Property

INFINO	Grade	WP-1100
	Resin Type	PC/ABS/GF

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ISO 1183	Natural or representative color	-	1.22
Melt Flow Index	ISO 1133	250 °C, 10kg	g/10min	40
Mold Shrinkage(MD)	ISO 2577	Flow at 3.2mm(MD)	%	0.3
Mold Shrinkage(TD)	ISO 2577	X-Flow at 3.2mm(TD)	%	0.5
ASH Content	ISO 3451	-	%	10
Mechanical				
Tensile Strength at Yield	ISO 527	5mm/min	MPa	94
Tensile Strain at break	ISO 527	5mm/min	%	4.4
Tensile Modulus	ISO 527	5mm/min	MPa	3200
Tensile Strength at break	ISO 527	5mm/min	MPa	90
Flexural Strength	ISO 178	2mm/min	MPa	150
Flexural Modulus	ISO 178	2mm/min	MPa	4700
Izod Impact Strength (notched)	ISO 180 1A	at 23°C, 4mm	KJ/m ²	8.5
Charpy Impact Strength (V-notched)	ISO 179 1eA	at 23°C, 4mm	KJ/m ²	12
Charpy Impact Strength (Unnotched)	ISO 179 1eA	at 23°C, 4mm	KJ/m ²	58
Izod Impact Strength (notched)	ISO 180 1A	at -30°C, 4mm	KJ/m ²	6.3
Charpy Impact Strength (V-notched)	ISO 179 1eA	at -30°C, 4mm	KJ/m ²	10
Charpy Impact Strength (Unnotched)	ISO 179 1eA	at -30°C, 4mm	KJ/m ²	55
Thermal				
Heat Deflection Temperature(Unannealed)	ISO 75-2	1.8MPa, 4.0mm	°C	119
Heat Deflection Temperature(Unannealed)	ISO 75-2	0.45MPa, 4.0mm	°C	129
VICAT Softening Temperature	ISO R 306	B/50	°C	129
Linear Thermal Coefficient	ISO 11359-1/-2	Flow at 40~100°C	x10 ⁻⁵ cm/cm/°C	0.39
Linear Thermal Coefficient	ISO 11359-1/-2	X-Flow at 40~100°C	x10 ⁻⁵ cm/cm/°C	0.65

1. The value above is the representative value of the NP or representative color and may have deviation. It can only be used for selecting materials.
2. The value above shall not be regarded as a material specification and cannot be used for molding designs.

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