



INFINO	Grade	LH-1049
	Resin Type	

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ISO 1183	Natural or representative	-	1.11
Melt Flow Index	ISO 1133	250°C, 10kg	g/10min	31
Mold Shrinkage(MD)	ISO 294-4	Flow at 2mm(MD)	%	0.4~0.7
Mold Shrinkage(TD)	ISO 294-4	X-Flow at 2mm(TD)	%	0.4~0.7
Mechanical				
Tensile Strength at Yield	ISO 527	50mm/min	MPa	49
Tensile Strain at break	ISO 527	50mm/min	%	93
Tensile Modulus	ISO 527	50mm/min	MPa	2060
Tensile Strength at Break	ISO 527	50mm/min	MPa	48
Flexural Strength	ISO 178	2mm/min	MPa	75
Flexural Modulus	ISO 178	2mm/min	MPa	2060
Izod Impact Strength (notched)	ISO 180 1A	at 23°C, 4mm	kJ/m2	70
Izod Impact Strength (unnotched)	ISO 180 1A	at -30°C, 4mm	kJ/m2	67
Charpy Impact Strength (V-notched)	ISO 179 1eA	at 23°C, 4mm	kJ/m2	106
Charpy Impact Strength (V-notched)	ISO 179 1eA	at -30°C, 4mm	kJ/m2	40
Rockwell Hardness	ISO 2039-2	R-scale	-	110
Thermal properties				
Heat Deflection Temperature(1.8MPa, 4.0mm)	ISO 75-2	1.8MPa, 4.0mm	°C	94
Heat Deflection Temperature(0.45MPa, 4.0mm)	ISO 75-2	0.45MPa, 4.0mm	°C	114
VICAT Softening Temperature	ISO 306	B/50	°C	113

1. The above figures are the representative values based on NP, which may vary from color to color, and can be used as a reference only for the purpose of selecting materials.
2. The above figures are basic guidelines for selecting materials; therefore, they are not regarded as the official specifications for materials involved, and cannot be used for the purpose of designing a mold.
3. The above values can be adjusted in accordance with processing conditions, and the specific change in value is allowed only within a limited range in which adjustment has no adverse or negative impact on the final product.

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* The last update date : 2020/03/26
