

ISO Property

INFINO	Grade	TK-2046HM
	Resin Type	PCT/GF

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ISO 1183	Natural or representative color	-	1.61
Melt Flow Index	ISO 1133	300 °C, 1.2kg	g/10min	20
ASH Content	ISO 3451	-	%	40.5
Mechanical				
Tensile Strength at Yield	ISO 527	5mm/min	MPa	620
Tensile Strain at break	ISO 527	5mm/min	%	1.5
Flexural Strength	ISO 178	2.8mm/min	MPa	800
Flexural Modulus	ISO 178	2.8mm/min	MPa	77000
Izod Impact Strength (notched)	ISO 180 1A	at 23°C, 4mm	KJ/m ²	3
Izod Impact Strength (unnotched)	ISO 180 1A	at 23°C, 4mm	KJ/m ²	16
Charpy Impact Strength (V-notched)	ISO 179 1eA	at 23°C, 4mm	KJ/m ²	2.8
Charpy Impact Strength (Unnotched)	ISO 179 1eA	at 23°C, 4mm	KJ/m ²	13
Thermal				
Heat Deflection Temperature(Unannealed)	ISO 75-2	1.8MPa, 4.0mm	°C	250
Appearance				
Yellowness Index	ASTM D1925		-	4

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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* The last update date : 05/13/2014