

ISO Property | LOTTE Advanced Materials

INFINO	Grade	WP-1041G
	Resin Type	PC/ABS

Metal Plating, Automotive

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ISO 1183	Natural or representative color	-	1.09
Melt Flow Index	ISO 1133	250°C, 10kg	g/10min	31
Melt Flow Index	ISO 1133	250°C, 2.16kg	g/10min	3
Mold Shrinkage(MD)	ISO 2577	Flow at 2mm(MD)	%	0.4-0.7
Mold Shrinkage(TD)	ISO 2577	X-Flow at 2mm(TD)	%	0.4-0.7
Mechanical				
Tensile Strength at Yield	ISO 527	50mm/min	MPa	47
Tensile Strain at break	ISO 527	50mm/min	%	73
Tensile Modulus	ISO 527	50mm/min	MPa	1900
Tensile Strength at break	ISO 527	50mm/min	MPa	41
Flexural Strength	ISO 178	2mm/min	MPa	70
Flexural Modulus	ISO 178	2mm/min	MPa	2000
Izod Impact Strength (notched)	ISO 180 1A	at 23°C, 4mm	KJ/m ²	45
Charpy Impact Strength (V-notched)	ISO 179 1eA	at 23°C, 4mm	KJ/m ²	47
Izod Impact Strength (notched)	ISO 180 1A	at -30°C, 4mm	KJ/m ²	35
Rockwell Hardness	ISO 2039-2	R-scale	-	107
Thermal				
Heat Deflection Temperature(Unannealed)	ISO 75-2	1.8MPa, 4.0mm	°C	-
Heat Deflection Temperature(Unannealed)	ISO 75-2	0.45MPa, 4.0mm	°C	-
Heat Deflection Temperature(Annealing)	ISO 75-2	1.8MPa, 4.0mm	°C	101
Heat Deflection Temperature(Annealing)	ISO 75-2	0.45MPa, 4.0mm	°C	116
VICAT Softening Temperature	ISO R 306	B/50	°C	113
VICAT Softening Temperature	ISO R 306	B/120	°C	114
Linear Thermal Coefficient	ISO 11359-1/-2	Flow at 40~100°C	x10 ⁻⁵ cm/cm/°C	8.5

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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