

ISO Property | LOTTE Advanced Materials

INFINO	Grade	AE-2030
	Resin Type	PC/PET

General, Automotive

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ISO 1183	Natural or representative color	-	1.2
Melt Flow Index	ISO 1133	260°C, 5kg	g/10min	22
Melt Flow Index	ISO 1133	250°C, 10kg	g/10min	32
Mold Shrinkage(MD)	ISO 294-4	Flow at 2mm(MD)	%	0.5-0.8
Mold Shrinkage(TD)	ISO 294-4	X-Flow at 2mm(TD)	%	0.5-0.8
Mechanical				
Tensile Strength at Yield	ISO 527	50mm/min	MPa	54
Tensile Strain at break	ISO 527	50mm/min	%	100
Tensile Modulus	ISO 527	50mm/min	MPa	2100
Tensile Strength at Break	ISO 527	50mm/min	MPa	52
Flexural Strength	ISO 178	2mm/min	MPa	80
Flexural Modulus	ISO 178	2mm/min	MPa	2200
Izod Impact Strength (notched)	ISO 180 1A	at 23°C, 4mm	KJ/m ²	59
Charpy Impact Strength (V-notched)	ISO 179 1eA	at 23°C, 4mm	KJ/m ²	65
Rockwell Hardness	ISO 2039-2	R-scale	-	115
Thermal				
Heat Deflection Temperature(Unannealed)	ISO 75-2	1.8MPa, 4.0mm	°C	97
Heat Deflection Temperature(Unannealed)	ISO 75-2	0.45MPa, 4.0mm	°C	120
Heat Deflection Temperature(Annealing)	ISO 75-2	1.8MPa, 4.0mm	°C	103
Heat Deflection Temperature(Annealing)	ISO 75-2	0.45MPa, 4.0mm	°C	121
VICAT Softening Temperature	ISO 306	B/50	°C	131
VICAT Softening Temperature	ISO 306	B/120	°C	132

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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