

ISO Property | LOTTE Advanced Materials

INFINO	Grade	EN-1052
	Resin Type	PC

Flame Retardant, Adaptors

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ISO 1183	Natural or representative color	-	1.18
Melt Flow Index	ISO 1133	250°C, 10kg	g/10min	19
Mold Shrinkage(MD)	ISO 2577	Flow at 3.2mm(MD)	%	0.54~0.66
Mold Shrinkage(TD)	ISO 2577	X-Flow at 3.2mm(TD)	%	0.56~0.69
Mechanical				
Tensile Strength at Yield	ISO 527	50mm/min	MPa	55
Tensile Strain at break	ISO 527	50mm/min	%	109
Tensile Modulus	ISO 527	50mm/min	MPa	2100
Tensile Strength at break	ISO 527	50mm/min	MPa	67
Flexural Strength	ISO 178	2mm/min	MPa	80
Flexural Modulus	ISO 178	2mm/min	MPa	2100
Izod Impact Strength (notched)	ISO 180 1A	at 23°C, 4mm	KJ/m ²	65
Charpy Impact Strength (V-notched)	ISO 179 1eA	at 23°C, 4mm	KJ/m ²	70
Rockwell Hardness	ISO 2039-2	R-scale	-	120
Thermal				
Heat Deflection Temperature(Unannealed)	ISO 75-2	1.8MPa, 4.0mm	°C	121
Heat Deflection Temperature(Unannealed)	ISO 75-2	0.45MPa, 4.0mm	°C	135
VICAT Softening Temperature	ISO R 306	B/50	°C	142
RTI, Ele	UL 746B	1.5, V-0	°C	130
RTI, Imp	UL 746B	1.5, V-0	°C	130
RTI, Str	UL 746B	1.5, V-0	°C	130
Flammability				
Flammability	UL94	V-2	mm	0.75
Flammability	UL94	V-0	mm	1.5, 3.0

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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