

ASTM Property

INFINO.	Grade	ML-1010R
	Resine Type	PC

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ASTM D792	Natural color	-	1.2
Melt Flow Index	ASTM D1238	300°C/1.2kg	g/10min	11.5
Water Absorption	ASTM D570	23°C	%	0.2
Mold Shrinkage	ASTM D955	Flow at 3.2mm	%	0.5~0.7
Mechanical				
Tensile Strength	ASTM D638	50mm/min	kgf/cm ²	640
Elongation at Break	ASTM D638	50mm/min	%	110
Flexural Strength	ASTM D790	2.8mm/min	kgf/cm ²	920
Flexural Modulus	ASTM D790	2.8mm/min	kgf/cm ²	23,000
Impact Strength, Notched	ASTM D256	at 23°C, 1/8 inch	kgf-cm/cm	87
Rockwell Hardness	ASTM D785	R-Scale	-	120
Thermal				
Heat Deflection Temperature	ASTM D648	18.56kgf/cm ² , 6.4mm	°C	135
VICAT Softening Temperature	ASTM D1525	Vicat B test / 50N	°C	145
Linear Thermal Coefficient		-40~100°C	10 ⁻⁵ cm/ cm/ °C	5.5~6.5
Flammability				
Flammability	UL 94	V-2	mm	0.75~3.0
Optical				
Transmissivity	ASTM D1003	3.2mm	%	>89
Haze	ASTM D1003	3.2mm	%	<0.3
Refractive Index	ASTM D542			1.586

1. The value above is the representative value of the NP standard 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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