

ISO Property

INFINO	Grade	PC00-SC-1280UR0
	Resin Type	PC

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ISO 1183	Natural or representative color	-	1.2
Water Absorption	ISO 62	23°C	%	0.2
Melt Flow Index	ISO 1133	300 °C, 1.2kg	g/10min	28
Mold Shrinkage	ISO 2577	Flow at 3.2mm	%	0.5~0.7
Mechanical				
Tensile Strength at Yield	ISO 527	50mm/min	MPa	66
Tensile Strain at break	ISO 527	50mm/min	%	6.5
Flexural Strength	ISO 178	2mm/min	MPa	92
Flexural Modulus	ISO 178	2mm/min	MPa	2300
IZOD Impact Strength (notched)	ISO 180 1A	4mm at 23°C	KJ/m ²	11
Rockwell Hardness	ISO 2039	R-Scale	-	120
Thermal				
Heat Deflection Temperature	ISO 75-2	1.8MPa	°C	124
VICAT Softening Temperature	ISO R 306	B/50	°C	144
Linear Thermal Coefficient	ISO 11359-2	-40~100°C	x10 ⁻⁵ cm/cm/°C	5.5~6.5
Flammability				
Flammability	UL94	V-2	mm	0.8~3.2
Electric				
Surface Resistivity	IEC 60093	at 23°C, 50% RH	E+Ω/sq	1.0xE16
Volume Resistivity	IEC 60093	-	Ωcm	1.0xE14
Dielectric Constant	IEC 60250	-	10E ⁶ Hz	2.9
Optical				
Transmissivity	ISO D13468	3mm	%	Min 88
Haze	ISO D13468	3mm	%	Min 0.5
Refractive Index	ISO 489	-	-	1.586

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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