

# INFINO SC-1222UR

	Properties	Test condition	Method	Unit	Value
Flammability	Flammability	V-2	UL94	mm	0.8~3.2
Optical	Transmissivity	3mm	ISO D13468	%	>89
	Haza	3mm	ISO D13468	%	<0,8
	Refractive Index	-	ISO 489	-	1,6
Physical	Specific Gravity	Natural or Representative Color	ISO 1183	-	1,2
	Mold Shrinkage (MD)	Flow at 3.2mm(MD)	ISO 2577	%	0.5~0.7
	Water Absorption	23°C	ISO 62	%	0,2
	Melt Flow Index	300°C, 1,2kg	ISO 1133	g/10min	20
Thermal	Vicat Softening Temperature	B/50	ISO R 306	°C	144
	Linear Thermal Coefficient	-40~100°C	ISO 11359-2	$\times 10^{-5}$ cm/cm/°C	5.5~6.5
Mechanical	Tensile Strength at Yield	50mm/min	ISO 527	MPa	66
	Flexural Strength	2mm/min	ISO 178	MPa	92
	Flexural Modulus	2mm/min	ISO 178	MPa	2300
	Izod Impact Strength (notched)	at 23°C, 4mm	ISO 180 1A	KJ/m <sup>2</sup>	70
	Rockwell Hardness	R-scale	ISO 2039-2	-	120
	Charpy Impact Strength (notched)	23°C	ISO 179 1eA	KJ/m <sup>2</sup>	70
Electrical	Surface Resistivity	at 23°C, 50% RH	IEC 60093	E+Q/sq	1.0xE16
	Volume Resistivity	-	IEC 60093	Q • cm	1.0xE14
	Dielectric Constant	1 Mhz	IEC 60250	10E <sup>6</sup> Hz	2,9