

INFINO SC-1280UR

UV Resistant PC

	Properties	Test condition	Method	Unit	Value
Flammability	Flammability	V-2	UL94	mm	0.8~3.2
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
	Mold Shrinkage (TD)	X-Flow at 3.2mm(TD)	ISO 2577	%	0.5~0.7
	Melt Flow Index	300°C, 1,2kg	ISO 1133	g/10min	28
Thermal	Heat Deflection Temperature (unannealed)	1.8 MPa, 4.0mm	ISO 75-2	°C	122
	Heat Deflection Temperature (unannealed)	0.45 MPa, 4.0mm	ISO 75-2	°C	134
	Vicat Softening Temperature	B/50	ISO R 306	°C	144
Mechanical	Flexural Strength	2mm/min	ISO 178	MPa	90
	Flexural Modulus	2mm/min	ISO 178	MPa	2300
	Izod Impact Strength (notched)	at 23°C, 4mm	ISO 180 1A	KJ/m²	60
	Charpy Impact Strength (V-notched)	23°C, 4mm	ISO 179 1eA	KJ/m²	50
	Rockwell Hardness	R-scale	ISO 2039-2	-	120
	Tensile Strength at Yield	5mm/min	ISO 527	MPa	64
	Tensile Strain at Break	5mm/min	ISO 527	%	6,5
	Tensile Modulus	5mm/min	ISO 527	MPa	1800
	Tensile Strength at Break	5mm/min	ISO 527	MPa	53