

INFINO

Grade	SC-1100UR
Resin Type	PC

E&E, Consumer Product

Item	Measuring Method	Condition	Unit	Value
------	------------------	-----------	------	-------

Physical

Specific Gravity	ISO 1183	Natural or representative	-	1.2
Melt Flow Index	ISO 1133	300°C, 1.2kg	g/10min	11.5
Mold Shrinkage(MD)	ISO 294-4	Flow at 2mm(MD)	%	0.5~0.7
Mold Shrinkage(TD)	ISO 294-4	X-Flow at 2mm(TD)	%	0.5~0.7
Mold Shrinkage(MD)	ISO 2577	Flow at 3.2mm(MD)	%	0.5~0.7
Mold Shrinkage(TD)	ISO 2577	X-Flow at 3.2mm(TD)	%	0.5~0.7

Mechanical

Tensile Strength at Yield	ISO 527	50mm/min	MPa	64
Tensile Strain at break	ISO 527	50mm/min	%	110
Tensile Modulus	ISO 527	50mm/min	MPa	2300
Tensile Strength at Break	ISO 527	50mm/min	MPa	64
Flexural Strength	ISO 178	2mm/min	MPa	92
Flexural Modulus	ISO 178	2mm/min	MPa	2300
Izod Impact Strength (notched)	ISO 180 1A	at 23°C, 4mm	kJ/m ²	80
Charpy Impact Strength (V-notched)	ISO 179 1eA	at 23°C, 4mm	kJ/m ²	75
Rockwell Hardness	ISO 2039-2	R-scale	-	120

Thermal properties

Heat Deflection Temperature(Unannealed)	ISO 75-2	1.8MPa, 4.0mm	°C	125
Heat Deflection Temperature(Unannealed)	ISO 75-2	0.45MPa, 4.0mm	°C	137
VICAT Softening Temperature	ISO 306	B/50	°C	146

Flame-retarded

Flammability	UL94	V-2	mm	0.75~3.0
--------------	------	-----	----	----------