

## Properties

### S1100G

PC/ABS resin

Standard

Properties	Test methods	Test conditions	Units	
Mold shrinkage	Daicel method	-	%	0.4-0.6
Tensile strength	ISO 527	-	MPa	53
Flexural strength	ISO 178	-	MPa	86
Flexural modulus	ISO 178	-	MPa	2400
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	80
Deflection temperature under load	ISO 75	1.80MPa	deg C	100
Deflection temperature under load	ASTM D648	1.82MPa/6.4mm	deg C	110
Deflection temperature under load	ISO 75	0.45MPa	deg C	115
Flammability	UL94	-	-	HB
Water absorption	ISO 62	-	%	0.3
Density	ISO 1183	-	g/cm3	1.12

Note

- Test methods such as ISO standards are fully or almost compliant with the standards.
- Values are typical, not quality assured.
- UL recognition File No. is E47773.
- The colorant formulations are restricted for each UL certified color. Please contact us for more information.

### Typical settings for processing

Preliminary drying	Barrel temperature(deg C)				Screw rotation (rpm)	Back pressure (MPa)	Mold temperature (deg C)
	Nozzle	Front	Middle	Back			
4-5hrs 90-110deg C	230-260	240-260	230-250	210-240	50-100	5-20	60-80