

Properties

S7900G

Flame-retardant PC/ABS resin

*The product(s) do not contain halogenated compounds as flame retardants and do not contain antimony compounds.

Heat resistance

Properties	Test methods	Test conditions	Units	
Melt mass-flow rate	ISO 1133	240 deg C/5kg	g/10min	13
Mold shrinkage	Daicel method	-	%	0.4-0.6
Tensile strength	ISO 527	-	MPa	65
Flexural strength	ISO 178	-	MPa	94
Flexural modulus	ISO 178	-	MPa	2740
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	10
Deflection temperature under load	ISO 75	1.80MPa	deg C	96
Flammability	UL94	-	-	V-2/0.75mm V-1/1.0mm V-0/1.5mm 5VB/2.0mm
Density	ISO 1183	-	g/cm3	1.19

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			
4-8hrs 90-100deg C	250-280	250-280	240-270	220-260	50-80	5-20	50-80