

## Properties

### S6500L

Flame retardant PC/ABS resin (UL94 V-0)

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

Standard

Properties	Test methods	Test conditions	Units	
Melt mass-flow rate	ISO 1133	220 deg C/10kg	g/10min	45
Melt mass-flow rate	ISO 1133	240 deg C/5kg	g/10min	26
Mold shrinkage	ASTM D955	-	%	0.4-0.6
Tensile strength	ISO 527	-	MPa	54
Flexural strength	ISO 178	-	MPa	85
Flexural modulus	ISO 178	-	MPa	2600
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m <sup>2</sup>	15
Notched Izod impact strength	ASTM D256	23 deg C/6.4mm	J/m	200
Deflection temperature under load	ISO 75	1.80MPa	deg C	79
Deflection temperature under load	ASTM D648	1.82MPa/12.7mm	deg C	85
Vicat softening temperature	ISO 306/B50	50N X 50deg C/h	deg C	94
Flammability	UL94	-	-	V-0/1.6mm 5VA/2.5mm
Dielectric strength	ASTM D149	1.5mm	MV/m	23
Arc resistance	ASTM D495	3.0mm	sec(PLC)	106(6)
Water absorption	ISO 62	-	%	0.3
Density	ISO 1183	-	g/cm <sup>3</sup>	1.16

Note

- Values are typical, not quality assured.
- UL recognition File No. of Daicel Polymer is E47773.

### Typical settings for processing

Preliminary drying	Barrel temperature(deg C)				Screw rotation (rpm)	Back pressure (MPa)	Mold temperature (deg C)
	Nozzle	Front	Middle	Back			
3-4hrs 80-90deg C	220-250	230-250	210-230	190-210	40-60	5-15	40-60