

Properties

S69P1

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.

Heat resistance

Properties	Test methods	Test conditions	Units	
Melt mass-flow rate	ISO 1133	240 deg C/5kg	g/10min	11
Mold shrinkage	ASTM D955	-	%	0.4-0.6
Tensile strength	ISO 527	-	MPa	64
Flexural strength	ISO 178	-	MPa	93
Flexural modulus	ISO 178	-	MPa	2640
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	10
Deflection temperature under load	ISO 75	1.80MPa	deg C	102
Flammability	UL94	-	-	V-0/1.5mm
Density	ISO 1183	-	g/cm3	1.20

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