

## Properties

### X72S2(Type W)

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

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

High flow

Properties	Test methods	Test conditions	Units	
Melt mass-flow rate	ISO 1133	220 deg C/10kg	g/10min	50
Mold shrinkage	ASTM D955	-	%	0.4-0.6
Tensile strength	ISO 527	-	MPa	48
Flexural strength	ISO 178	-	MPa	85
Flexural modulus	ISO 178	-	MPa	2600
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	14
Deflection temperature under load	ISO 75	1.80MPa	deg C	83
Coefficient of linear thermal expansion	ISO 11359	MD	X1E-5/deg C	7
Coefficient of linear thermal expansion	ISO 11359	TD	X1E-5/deg C	-
Flammability	UL94	-	-	V-0/1.5mm 5VB/2.0mm 5VA/2.5mm
Water absorption	ISO 62	-	%	0.3
Density	ISO 1183	-	g/cm3	1.17

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 80-85deg C	220-250	230-250	210-230	190-210	40-60	5-15	40-60

\*The barrel temperature at the front zone should be over 230 deg C to avoid defective mechanical properties of moldings.