

Properties

CE57FX

Glass fiber-reinforced flame retardant PC/Polyester resin (GF50%, UL94 V-0)

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

Properties	Test methods	Test conditions	Units	
Mold shrinkage	ASTM D955	-	%	0-0.2
Tensile strength	ISO 527	-	MPa	157
Flexural strength	ISO 178	-	MPa	236
Flexural modulus	ISO 178	-	MPa	16000
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	11
Deflection temperature under load	ISO 75	1.80MPa	deg C	98
Deflection temperature under load	ISO 75	0.45MPa	deg C	111
Flammability	UL94	-	-	V-1/0.75mm(BK) V-0/1.5mm(BK)
Density	ISO 1183	-	g/cm3	1.66

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			
3-5hrs 100deg C	240-260	250-270	250-270	230-250	50-100	10-20	70-100