

Properties

CB4830

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

Impact resistance

Properties	Test methods	Test conditions	Units	
Mold shrinkage	ASTM D955	-	%	0.4-0.6
Tensile strength	ISO 527	-	MPa	62
Flexural strength	ISO 178	-	MPa	90
Flexural modulus	ISO 178	-	MPa	2300
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	45
Deflection temperature under load	ISO 75	1.80MPa	deg C	95
Flammability	UL94	-	-	V-0/0.75mm
Hot wire ignition	UL746A	3.0mm	(PLC)	(2)
High ampere arc ignition	UL746A	0.75mm	(PLC)	(3)
High ampere arc ignition	UL746A	3.0mm	(PLC)	(0)
Comparative tracking index	IEC 112	3.0mm	(PLC)	(2)
Density	ISO 1183	-	g/cm3	1.31

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 110-120deg C	230-250	240-260	240-260	220-240	50-100	10-20	70-90