Properties

AC2604(Type P)

Carbon fiber-reinforced PA/ABS resin (CF20%)
Conductive

Properties	Test methods	Test conditions	Units	
Mold shrinkage	Daicel method	-	%	0.2-0.5
Tensile strength	ISO 527	-	MPa	150
Flexural strength	ISO 178	-	MPa	240
Flexural modulus	ISO 178	-	MPa	13000
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	10
Deflection temperature under load	ISO 75	1.80MPa	deg C	200
Coefficient of linear thermal expansion	ISO 11359	MD	X1E-5/deg C	1
Coefficient of linear thermal expansion	ISO 11359	TD	X1E-5/deg C	4
Flammability	UL94	-	-	HB
Volume resistivity	Daicel method	-	ohm*m	2E-2
Surface resistivity	Daicel method	-	ohm	5E0
Density	ISO 1183	-	g/cm3	1.17

Note
・Test methods such as ISO standards are fully or almost compliant with the standards.
・Values are typical, not quality assured.

Typical settings for processing

Preliminary drying	Barrel temperature(deg C)				Screw rotation (rpm)	Back pressure (MPa)	Mold temperature (deg C)
	Nozzle	Front	Middle	Back			
4-5hrs 90-100deg C	230-250	240-260	230-250	180-210	50-80	10-20	70-90