

Properties

PB2N1

PP compound

Conductive

Properties	Test methods	Test conditions	Units	
Melt mass-flow rate	ISO 1133	230 deg C/2.16kg	g/10min	8
Mold shrinkage	ASTM D955	-	%	1.3-1.6
Tensile strength	ISO 527	-	MPa	30
Flexural strength	ISO 178	-	MPa	36
Flexural modulus	ISO 178	-	MPa	1600
Notched Charpy impact strength	ISO 179/1eA	23 deg C	kJ/m2	15
Rockwell hardness	ISO 2039	-	-	R60
Deflection temperature under load	ISO 75	0.45MPa	deg C	92
Volume resistivity	ASTM D991	-	ohm*m	1E0
Surface resistivity	ASTM D991	-	ohm	1E2
Density	ISO 1183	-	g/cm3	1.02

Note

•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			
3-5hrs 80-120deg C	180-230	180-230	160-210	140-190	70-90	5-20	40-60

[Alert Notes]

*Preliminary drying under the conditions above is required, although PP resin hardly absorbs moisture.