

SPESIN[®] KP212G30V0S

PBT + GF30%, Flame retardant, Injection Molding

Application

E&E(Connector, Distributor Cap)

Properties	Measurement condition	Test Method	Unit	Typical value
Physical				
Density		ASTM D792	—	1.68
Shrinkage		ASTM D955	%	0.5~1.1
Water Absorption	23℃, H ₂ O, 24hr	ASTM D570	%	0.06
Mechanical				
Tensile Strength at Break	(3.2mm) 5 mm/min	ASTM D638	MPa	115
Elongation at Break	(3.2mm) 5 mm/min	ASTM D638	%	—
Flexural Strength	(3.2mm) 5 mm/min	ASTM D790	MPa	185
Flexural Modulus	(3.2mm) 5 mm/min	ASTM D790	MPa	8,600
Izod Impact Strength (Notched)	(6.4mm) 23 ℃	ASTM D256	J/m	55
Thermal				
Melting Point	20 ℃/min	ASTM D1525	℃	224
Heat Deflection Temperature	1.82 MPa	ASTM D648	℃	210
Flammability	(0.75mm)	UL94	Class	V0



Processing Guide (Injection Molding)

Drying Temperature(℃)	100~120	(Dehumidifying Dryer)			
Drying Time(hr)	3~5				
Processing Moisture Contents(%)	≤ 0.04				
Cylinder Temperature(℃)	Nozzle	Front	Middle	Rear	
	245~265	245~270	240~260	230~250	
Mold Temperature(℃)	60~100				

