

SPESIN[®] KP212G15V0BLS

PBT + GF15%, Flame retardant, Injection Molding, Black

Application

E&E(Connector, Bobbin, Cover)

Properties	Measurement condition	Test Method	Unit	Typical value
Physical				
Density		ASTM D792	–	1.53
Shrinkage		ASTM D955	%	0.7~1.3
Water Absorption	23℃, H ₂ O, 24hr	ASTM D570	%	0.06
Mechanical				
Tensile Strength at Break (3.2mm)	5 mm/min	ASTM D638	MPa	100
Elongation at Break (3.2mm)	5 mm/min	ASTM D638	%	–
Flexural Strength (3.2mm)	5 mm/min	ASTM D790	MPa	160
Flexural Modulus (3.2mm)	5 mm/min	ASTM D790	MPa	6,000
Izod Impact Strength (6.4mm)		ASTM D256		
(Notched)	23 ℃		J/m	44
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				

