

SPESIN[®] KP219G15H1BL

PBT+GF15%, Injection Molding, High Toughness, Black

Application

Auto(Connector), E&E(Bobbin)

Properties	Measurement condition	Test Method	Unit	Typical value
Physical				
Density		ASTM D792	–	1.37
Shrinkage		ASTM D955	%	0.7~1.3
Water Absorption	23℃, H ₂ O, 24hr	ASTM D570	%	0.07
Mechanical				
Tensile Strength at Break	(3.2mm) 5 mm/min	ASTM D638	MPa	85
Elongation at Break	(3.2mm) 5 mm/min	ASTM D638	%	–
Flexural Strength	(3.2mm) 5 mm/min	ASTM D790	MPa	145
Flexural Modulus	(3.2mm) 5 mm/min	ASTM D790	MPa	4,800
Izod Impact Strength	(6.4mm)	ASTM D256		
(Notched)	23 ℃		J/m	110
Thermal				
Melting Point	20 ℃/min	ASTM D1525	℃	224
Heat Deflection Temperature	1.82 MPa	ASTM D648	℃	200
Flammability	(0.75mm)	UL94	Class	HB
Electrical				
Comparative Tracking Index (CTI)		UL 746 A	PLC	1



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				

