

SPESIN[®] KP213G30BK

PBT+GF30%, Injection Molding, Laser marking

Application

Auto(Connector), E&E

Properties	Measurement condition	Test Method	Unit	Typical value
Physical				
Density		ASTM D792	—	1.53
Shrinkage		ASTM D955	%	0.4~1.0
Water Absorption	23℃, H ₂ O, 24hr	ASTM D570	%	0.07
Mechanical				
Tensile Strength at Break (3.2mm)	5 mm/min	ASTM D638	MPa	130
Elongation at Break (3.2mm)	5 mm/min	ASTM D638	%	—
Flexural Strength (3.2mm)	5 mm/min	ASTM D790	MPa	200
Flexural Modulus (3.2mm)	5 mm/min	ASTM D790	MPa	8,200
Izod Impact Strength (6.4mm)		ASTM D256		
(Notched)	23 ℃		J/m	83
Thermal				
Melting Point	20 ℃/min	ASTM D1525	℃	224
Heat Deflection Temperature	1.82 MPa	ASTM D648	℃	210
Flammability (0.74mm)		UL94	Class	HB



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				

