

KOPA® KN332G30V0BK

Injection Molding , PA66+GF30%, Flame Retardant, Black

Application

E&E(Connector , Cover))

Properties	Measurement condition	Test Method	Unit	Typical value
Physical				
Density		ASTM D792	—	1.6
Shrinkage		ASTM D955	%	0.4~1.0
Water Absorption	23℃ , H ₂ O, 24hr	ASTM D570	%	0.9
Mechanical				
Tensile Strength at Break (3.2mm)	5 mm/min	ASTM D638	MPa	160
Elongation at Break (3.2mm)	5 mm/min	ASTM D638	%	—
Flexural Strength (3.2mm)	5 mm/min	ASTM D790	MPa	250
Flexural Modulus (3.2mm)	5 mm/min	ASTM D790	MPa	9,600
Izod Impact Strength (6.4mm)		ASTM D256		
(Notched)	23 ℃		J/m	80
Rockwell Hardness	R scale	ASTM D785	—	120
Thermal				
Melting Point	20 ℃/min	ASTM D1525	℃	260
Heat Deflection Temperature	1.8 MPa	ASTM D648	℃	240
Flammability (0.8mm)		UL94	Class	—

※ 1Mpa = 10.197162 Kgf/cm², 1J/m = 0.10197 Kgf · cm/cm, (Test specimen Thickness)



Processing Guide (Injection Molding)

Drying Temperature(℃)	80 ~ 90	(Dehumidifying Dryer)			
Drying Time(hr)	3~5				
Processing Moisture Contents(%)	≤ 0.1				
	Nozzle	Front	Middle	Rear	
Cylinder Temperature(℃)	270~290	270~290	260~280	260~280	
Mold Temperature(℃)	60~100				

