

SPESIN[®] KA101

PC/PBT alloy, High impact resistance

Application

Safety supplies

Properties	Measurement condition		Test Method	Unit	Typical value
Physical					
Density			ASTM D792	–	1.19
Shrinkage			ASTM D955	%	0.6~1.2
Water Absorption	23℃, H ₂ O, 24hr		ASTM D570	%	0.08
Mechanical					
Tensile Strength at Break	(3.2mm)	50 mm/min	ASTM D638	MPa	44
Elongation at Break	(3.2mm)	50 mm/min	ASTM D638	%	> 100
Flexural Strength	(3.2mm)	5 mm/min	ASTM D790	MPa	70
Flexural Modulus	(3.2mm)	5 mm/min	ASTM D790	MPa	1,750
Izod Impact Strength	(6.4mm)		ASTM D256		
(Notched)		23 ℃		J/m	540
Thermal					
Melting Point	20 ℃/min		ASTM D1525	℃	224
Heat Deflection Temperature	1.82 MPa		ASTM D648	℃	100
Flammability	(0.8mm)		UL94	Class	–



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	
	245~255	245~260	235~250	220~240	
Mold Temperature(℃)	30~70				

