



SUMIKASUPER E5006L

		Method	Unit	E5006L
Color				Natural, Black
Filler		-		Glass fiber
Glass fiber type		-		Chopped
Filler content		-	%	30
Physical property				
Specific gravity		ASTM D792		1.60
Mold shrinkage	MD	Sumitomo Original*1	%	0.02
	TD		%	0.86
Mechanical property				
Tensile	strength	ASTM D638	MPa	151
	elongation		%	4.5
	strength	ISO 527	MPa	116
	modulus		GPa	16.6
Flexural	elongation		%	1.6
	strength	ASTM D790	MPa	152
	modules		GPa	14.2
	strength	ISO 178	MPa	179
Izod impact strength			GPa	15.8
		D256	J/m	382
Non-notched		ISO 180	J/m	254
Charpy impact strength		ISO 179	J/m	39
Non-notched				
Rockwell strength			R scale	90
Thermal property				
TDUL		ASTM D648	deg C	355
1.82MPa for ASTM/1.80MPa for ISO		ISO 75	deg C	
Solder resistance		Sumitomo Original*2	deg C	350
Liner expansion coefficient	MD	Sumitomo Original*3	×10 ⁻⁵ /deg C	1.7
	TD			7.3
Electrical property				
Dielectric constant		ASTM D150	1MHz	3.7
			1GHz	3.4
Dielectric tangent			1MHz	0.022
			1GHz	0.004
Dielectric breakdown voltage		Short time method	kV/mm	-
Specific volume resistance		ASTM D257	Ωm	10 ¹³
Specific surface resistance			Ω	10 ¹⁶
Arc resistance		ASTM D495	sec.	-
Tracking resistance		IEC method	V	-
Flammability				
Flame retardency		UL 94		V-0 at 0.3mmt
Limited Oxygen Index		JIS K 7201		-

<Note>

All the data above are just for reference, not intended for any guarantee on the product.

*1: The tool of 64mm X 64mm X 3mm was used to determine mold shrinkages.

*2: The highest temperature at which dumbbell shaped test pieces of 1.2mmt does not deform after immersing in a solder bath for 60 seconds.

*3: The center part of the test piece for tensile property was used.

Standard molding conditions		
Pre-drying		deg C for hours
Cylinder temperature	Nozzle	About 130 deg C for 4 to 24 hours
	Front	390 to 410
	Middle	370 to 390
	Rear	350 to 3750
Suitable resin temperature		deg C
Tool (Mold) temperature		deg C
Injection velocity		Middle to High
Injection pressure		MPa
Holding pressure		MPa
Back pressure		MPa
Screw rotation		rpm